40TH CONGRESS, 2d Session. } HOUSE OF REPRESENTATIVES. { Ex. Doc. No. 96.

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ANNUAL REPORT

OF THE

COMMISSIONER OF PATENTS

FOR

THE YEAR 1867.

VOLUME IV.

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NATIONAL MUSEUM

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1868.

IN THE SENATE OF THE UNITED STATES,
January 29, 1868.

Resolved, That 4,000 additional copies of the letters from the Commissioner of Patents, transmitting Annual Report of that office, be printed for the use of the Senate.

IN THE HOUSE OF REPRESENTATIVES,
June 5, 1868.

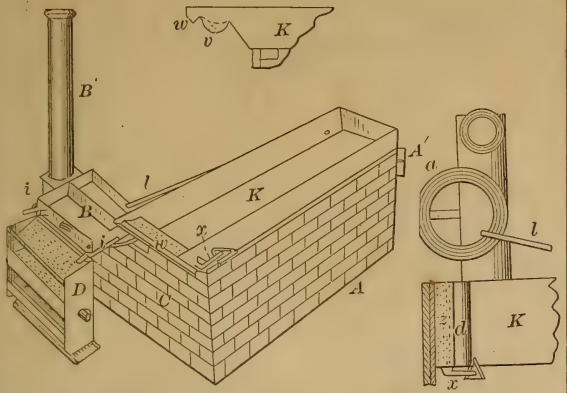
On motion of Mr. LAFLIN, from the Committee on Printing,

Resolved, That there be printed 15,000 extra copies of the Report of the Commissioner of Patents, 10,000 for the use of the House, and 5,000 for the Commissioner.

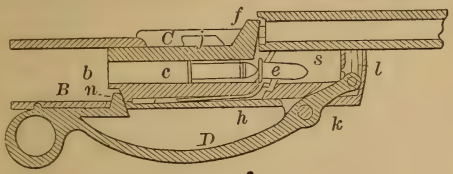
608.73

ILLUSTRATIONS.

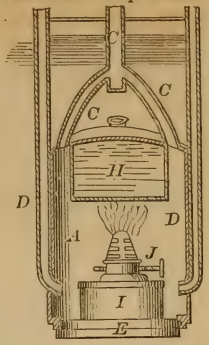
66750—Stubbs & Davis—*Evaporating Pan.*



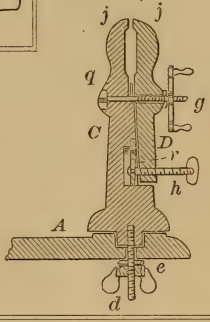
66751—E. L. Sturtevant—*Magazine Fire Arm.*



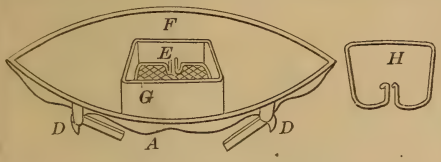
66752—C. C. Taintor—*Petroleum Lamp Heater.*



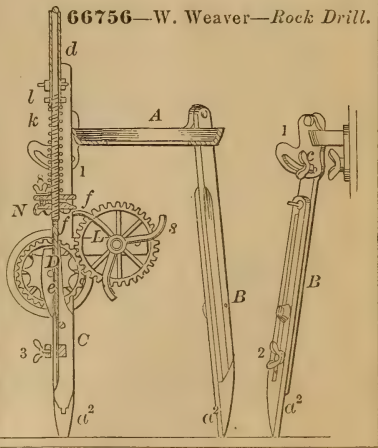
66754—E. E. Van Etten—*Clamp for Filing Saws.*



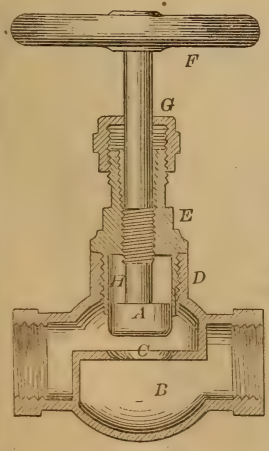
66753—Van Auken & Graham—*Milk Strainer.*



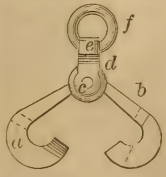
66756—W. Weaver—*Rock Drill.*



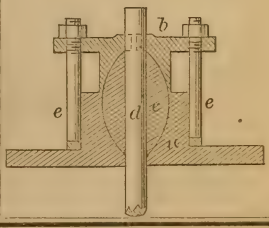
66757—J. H. Webster—*Steam Globe Valve.*



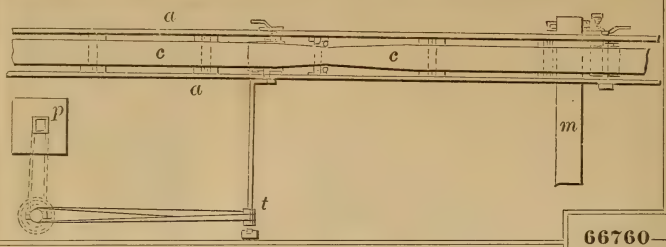
66755—A. Wallach—*Watch Chain Hook.*



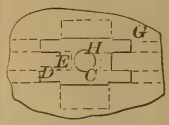
66758—J. H. Webster—*Metallic Packing for Piston Rods.*



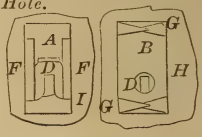
66759—P. G. B. Westmacott—*For Cleaning Grain.*



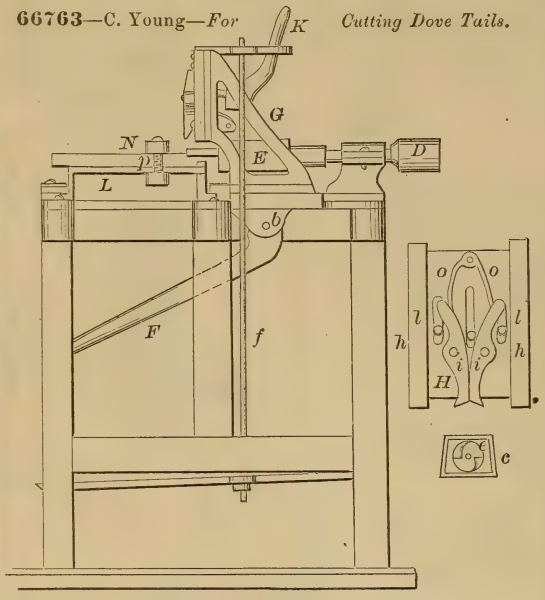
66761—E. L. Yancey—*Carriage Curtain Button Hole.*



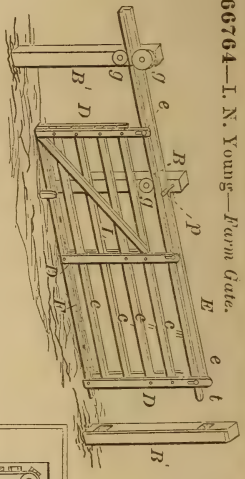
66760—E. L. Yancey—*Carriage Curtain Button Hole.*



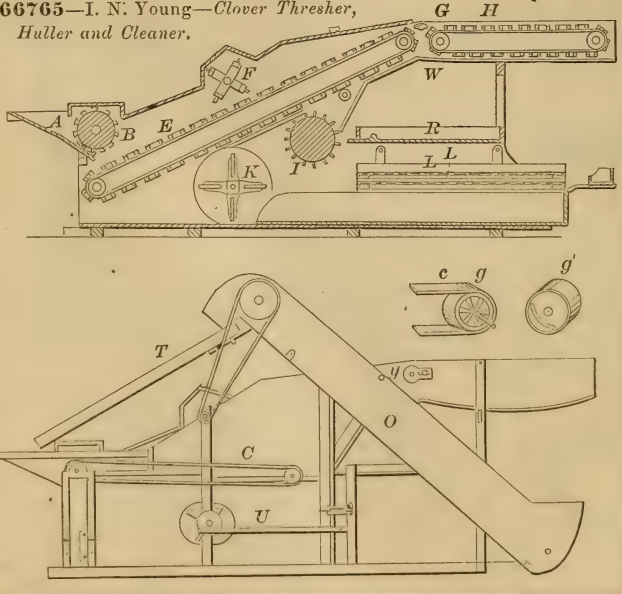
66763—C. Young—*For Cutting Dove Tails.*



66764—I. N. Young—*Farm Gate.*



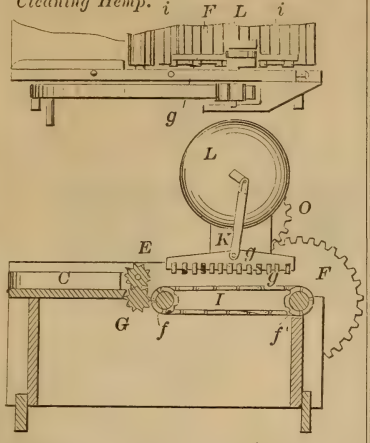
66765—I. N. Young—*Clover Thresher, Huller and Cleaner.*



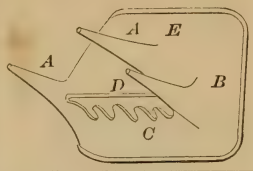
66762—A. A. Young—*Brush.*

66763—S. W. Young—*Wood Screw.*

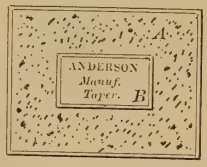
66767—H. Zellner—*Breaking and Cleaning Hemp.*



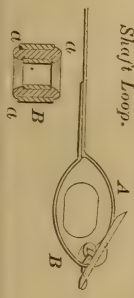
66769—C. Adams—*Soap Dish.*



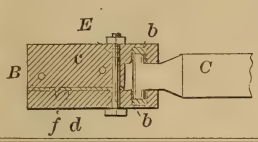
66770—W. Adamson—*Match Lighter.*



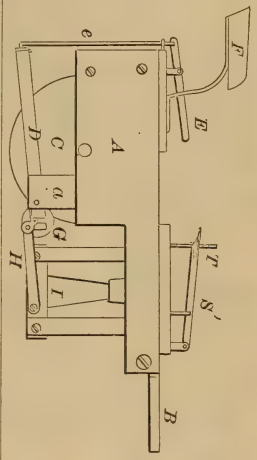
66771—B. J. Aurand—*Harness Skirt Loop.*



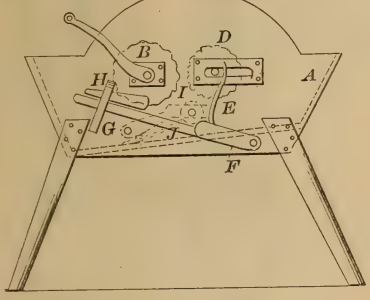
66772—J. Auten—*Thill Coupling.*



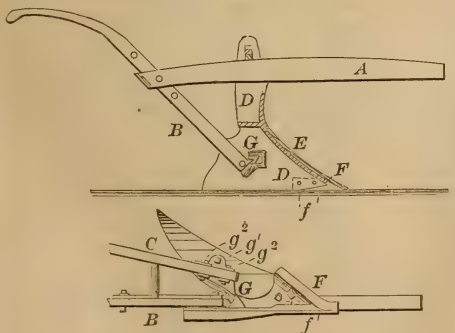
66768—H. Zellner—*Seed Sower and Roller.*



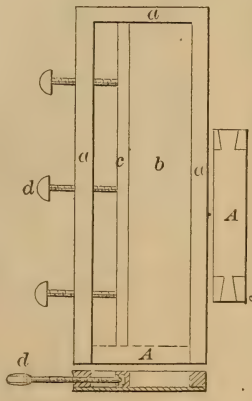
66775—J. G. Bailey—*Washing Machine.*



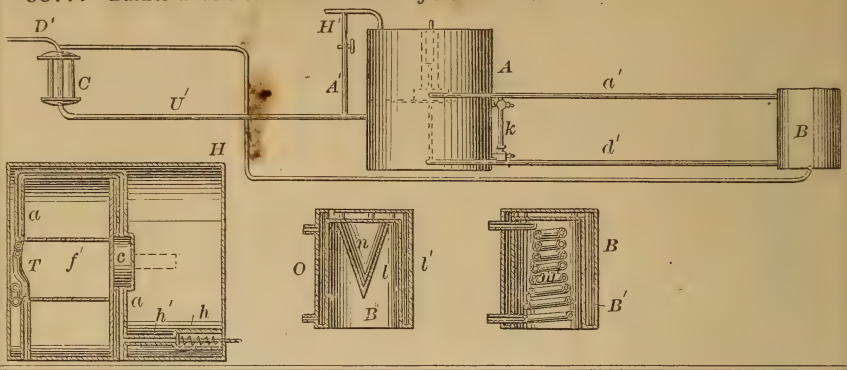
66774—B. F. Avery—*Plow.*



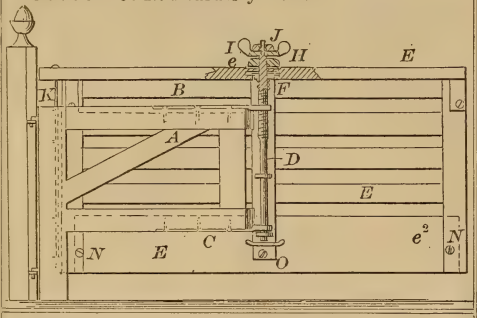
66776—J. W. Baker—*Printers' Galley.*



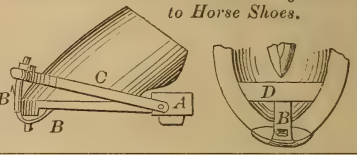
66777—Barker & Gilbert—*For Carburetting Air and Gas*



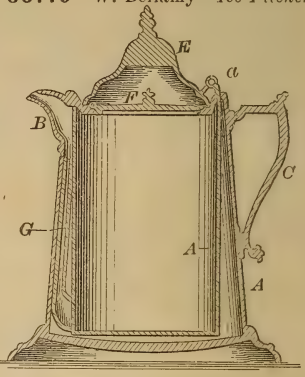
66778—U. N. Beardsley—*Gate.*



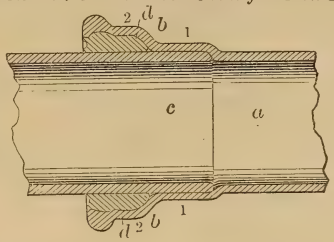
66780—W. J. Berne—*Attaching Calks to Horse Shoes.*



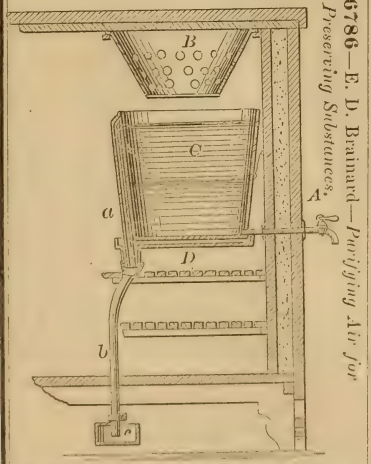
66779—W. Bellamy—*Ice Pitcher.*



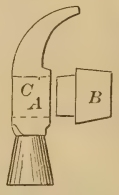
66782—E. G. Blakslee—*Joint for Iron Pipes.*



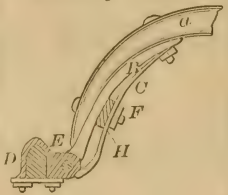
66786—E. D. Brainard—*Purifying Air for Preserving Substances.*



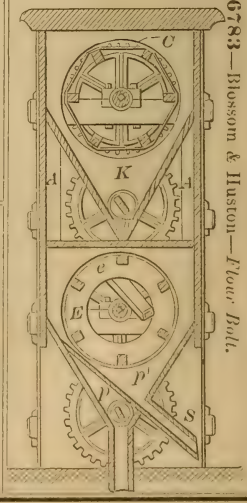
66781—R. Black—*Hammer Head.*



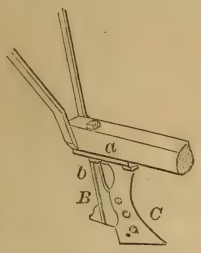
66784—C. Boynton—*Attaching Thills.*



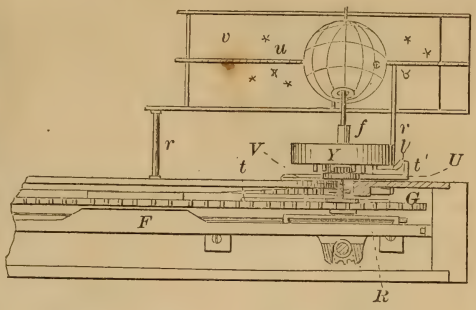
66783—Blossom & Huston—*Flour Bolt.*



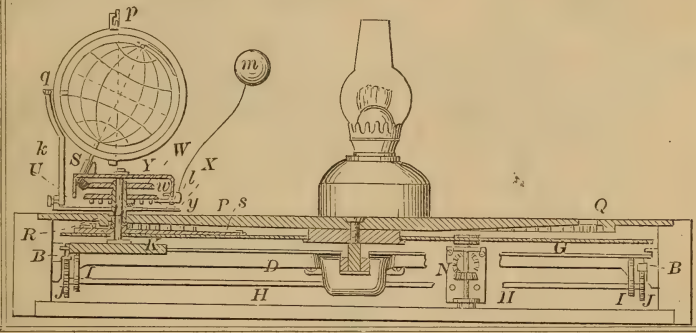
66787—T. E. C. Brinley—*Plow.*



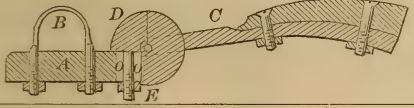
66791—S. P. Campbell—*Tellurian.*



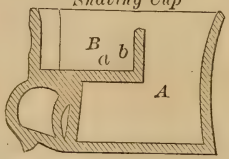
66790—H. H. Bryant—*Safe.*



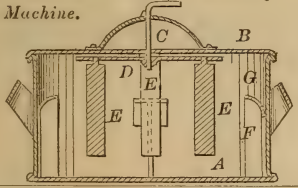
66789—J. D. Brunner—*Attaching Thills.*



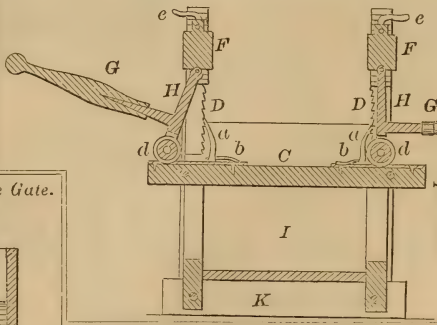
66788—Brooks & McGrady—*Shaving Cup*



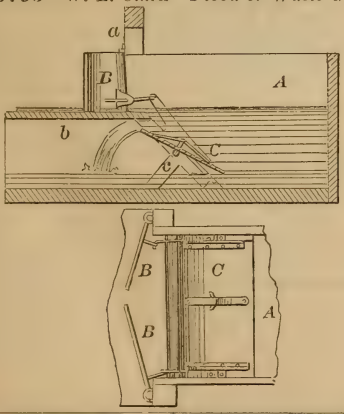
66792—W. L. Camp—*Washing Machine.*



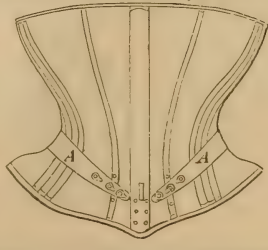
66793—Carpenter & Hutchinson—*Hop Press.*



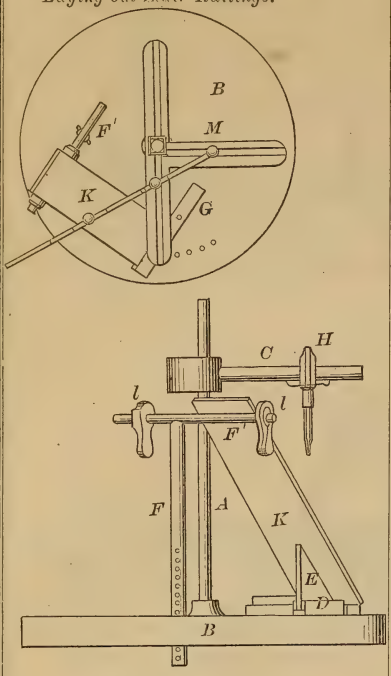
66795—W. L. Clark—*Flood or Waste Gate.*



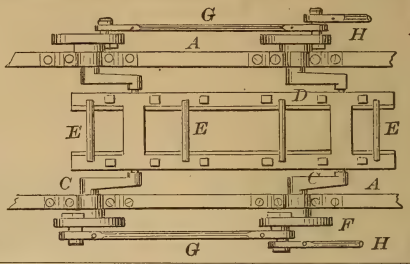
66794—M. L. Changeur—*Corset.*



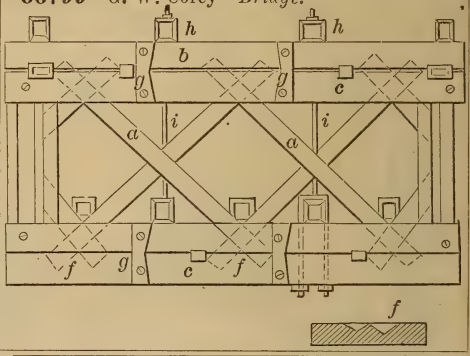
66796—A. Clow—*Instrument for Laying out Stair Railings.*



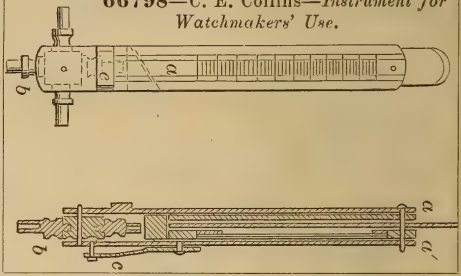
66797—W A. Cobb—*Propeller.*



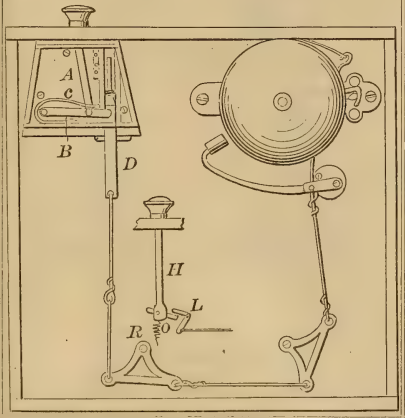
66799—G. W. Corey—*Bridge.*



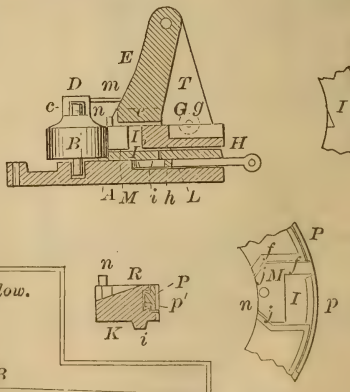
66798—C. E. Collins—*Instrument for Watchmakers' Use.*



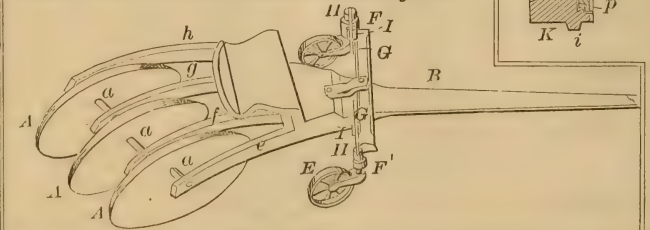
66801—S. L. Covell—*Bell Pull and Trip.*



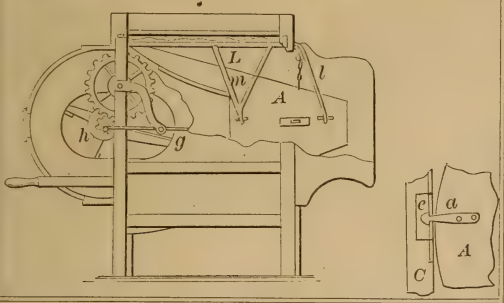
66800—F. F. Cornell, Jr.—*Brick Machine.*



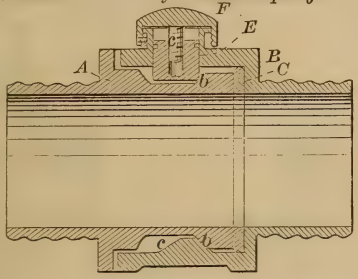
66802—M. A. & I. M. Cravath—*Revolving Plow.*



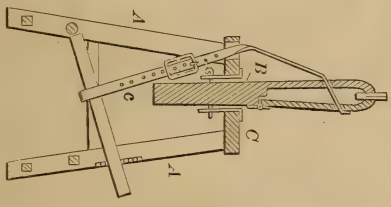
66803—A. B. Culver—*Fanning Mill.*



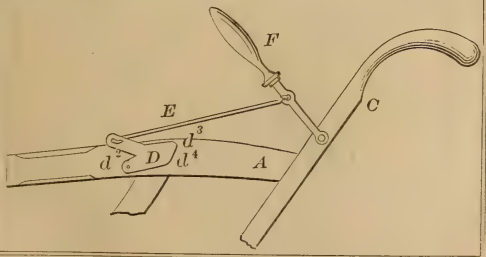
66804—Curtis & Tewksbury—*Hose Coupling.*



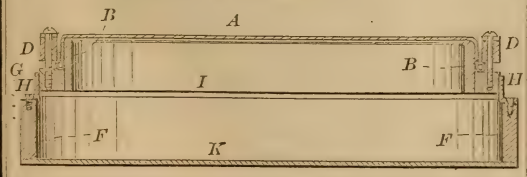
66808—O. A. Dean—*Stitching Horse.*



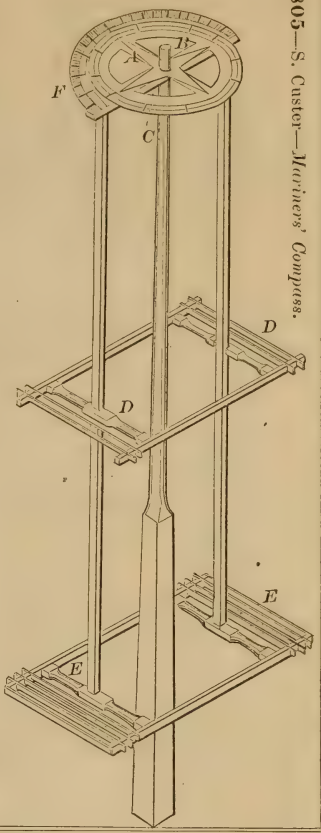
66809—C. P. Devereaux—*Plow Cleaner.*



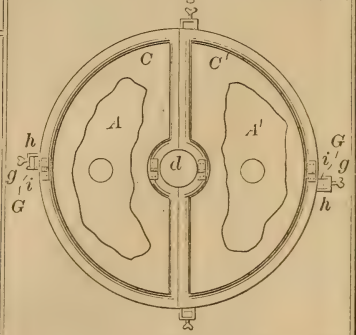
66810—H. C. Dobson—*Banjo.*



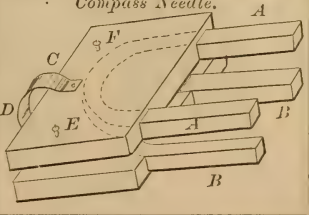
66805—S. Custer—*Mariners' Compass.*



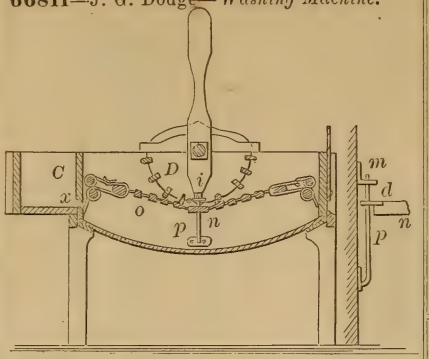
66807—M. Darling—*Fruit Gatherer.*



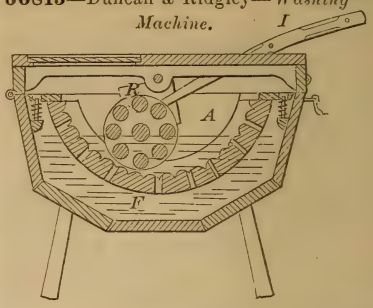
66806—S. Custer—*Magnetizing Compass Needle.*



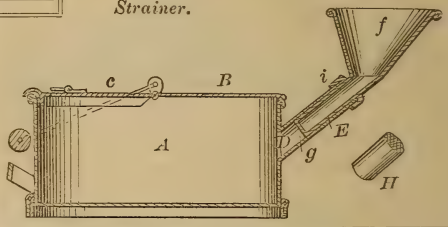
66811—J. G. Dodge—*Washing Machine.*



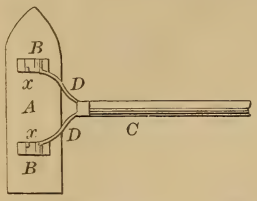
66815—Duncan & Ridgley—*Washing Machine.*



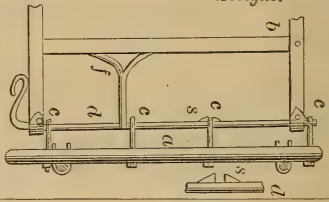
66814—J. L. Drake—*Milk Pail and Strainer.*



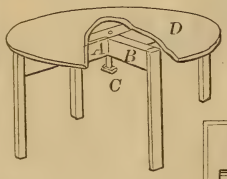
66812—A. J. Doolittle—*Scrubbing Brush.*



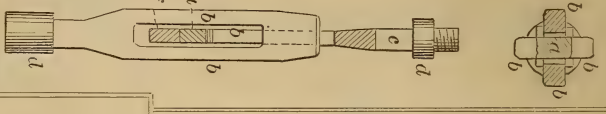
66817—Edwards & Whiting—*Attaching Thills to Sleighs.*



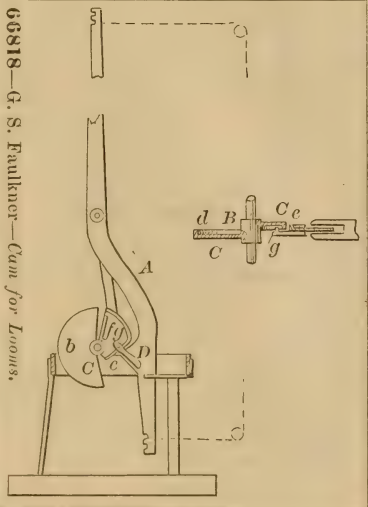
66813—D. Doty—*Folding Table.*



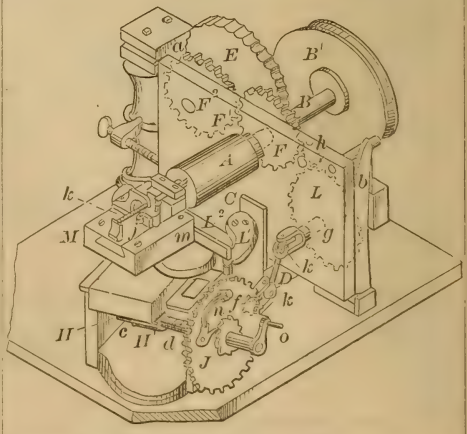
66816—J. C. Eastman—*Drill Jar.*



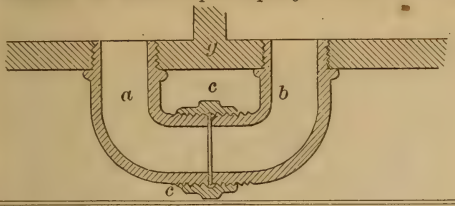
66818—G. S. Faulkner—*Cam for Looms.*



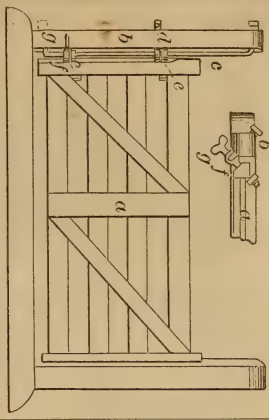
66819—C. H. Field—*Rosette Engine.*



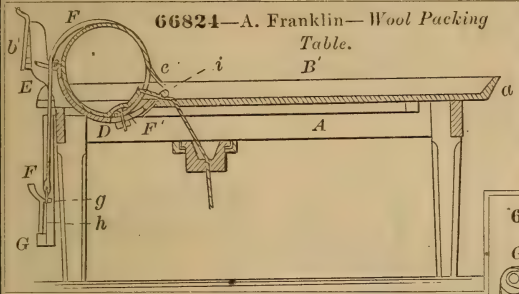
66820—B. Fitts—*Pipe Coupling.*



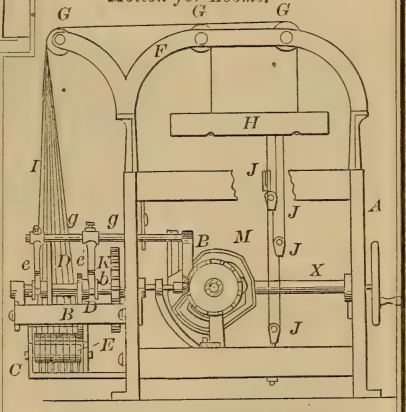
66823—G. W. Fox—*Farm Gate.*



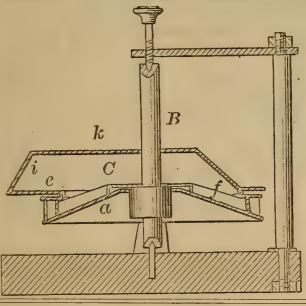
66824—A. Franklin—*Wool Packing Table.*



66827—J. F. Gebhart—*Harness Motion for Looms.*

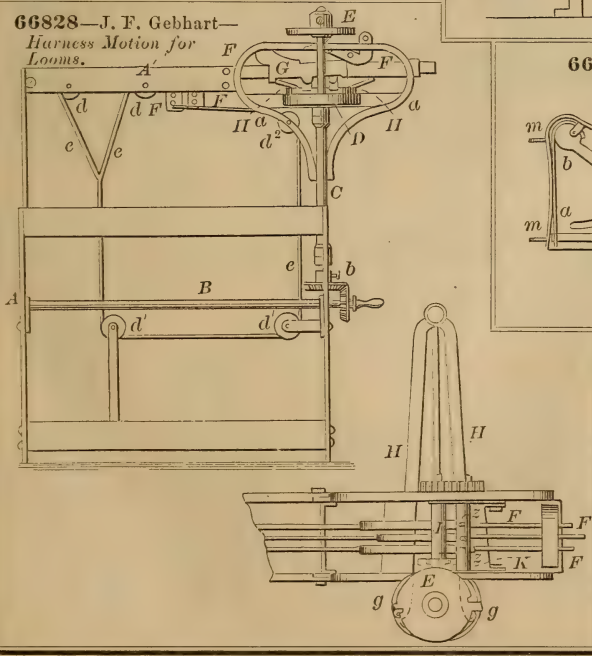


66821—S. Fletcher—*Water Wheel.*

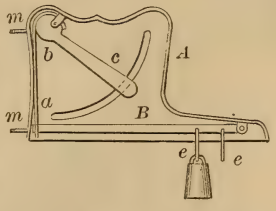


66822—A. Foss—*Whitewash Brush.*

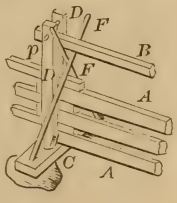
66828—J. F. Gebhart—*Harness Motion for Looms.*



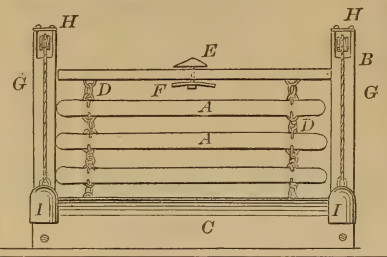
66825—L. H. Franklin—*Weighing Scale.*



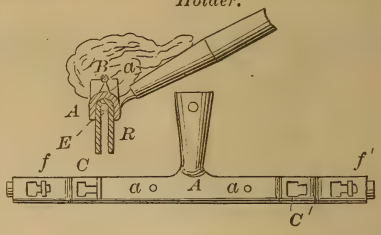
66826—G. L. Gavett—*Fence.*



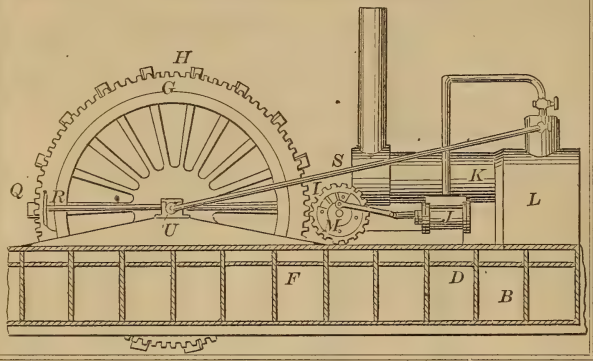
66829—S. Goewey—*Farm Gate.*



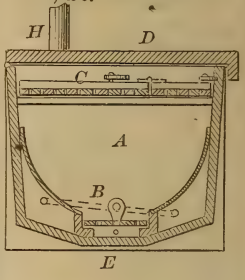
66834—J. J. Harlan—*Scrubber and Mop Holder.*



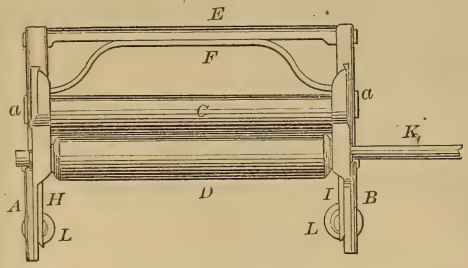
66830—S. J. Gold—*For Propelling Vessels.*



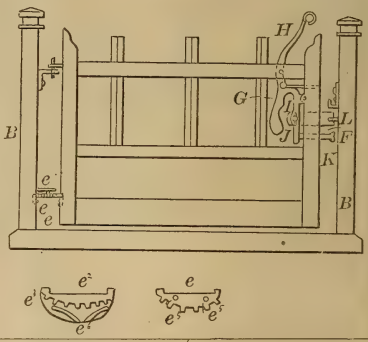
66833—W. S. Haight—*For Hopping Beer, Ale, &c.*



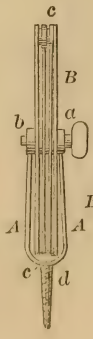
66835—Harrison & Harris—*Clothes Wringer.*



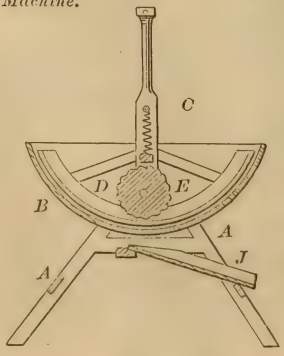
66832—B. Greenside—*Gate.*



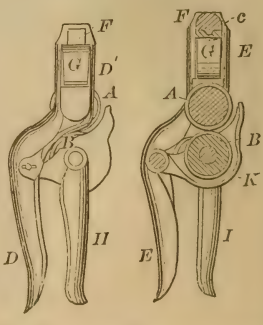
66837—A. Herthal—*Knife and Scissors Sharpener.*



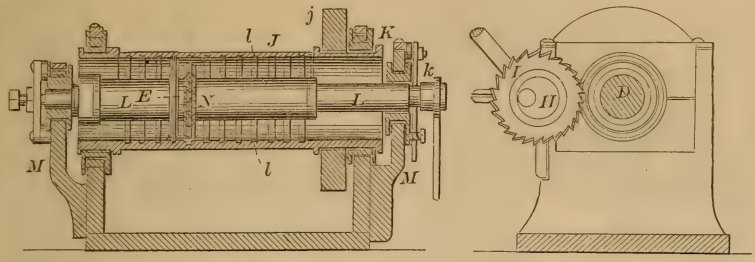
66831—W. Goodman—*Washing Machine.*



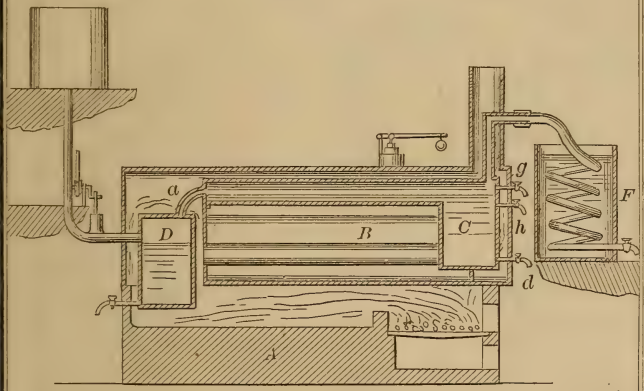
66836—Harrison & Harris *Clothes Wringer.*

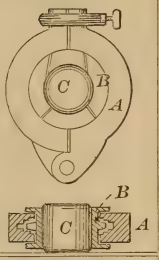


66838—B. Hilbert—*For Making Centres for Watch Cases.*

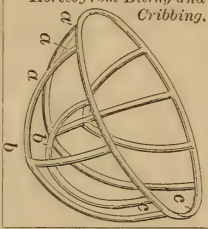


66841—C. G. Howell—*For Distilling and Refining Petroleum.*

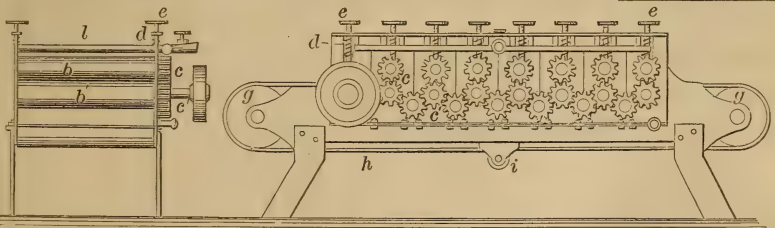




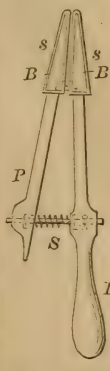
66840—B. D. Howe—*Preventing Horses from Biting and Cribbing.*



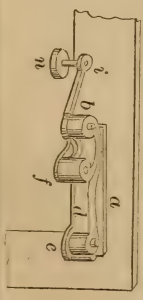
66839—I. Hogeland—*Washing and Wringing Machine.*



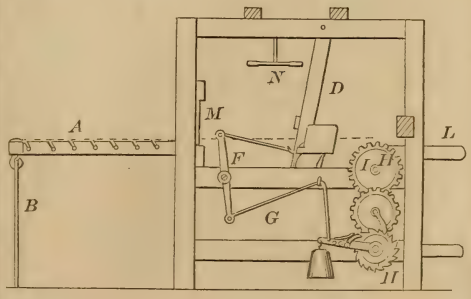
66842—F. M. Hubbard—*Dish Holder.*



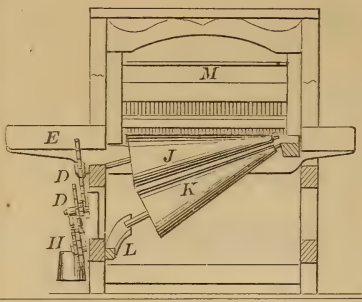
66843—H. Hughes—*Door Spring.*



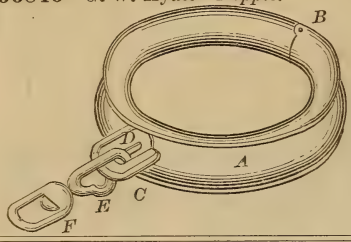
66844—F. W. Huppelsberg—*Loom.*



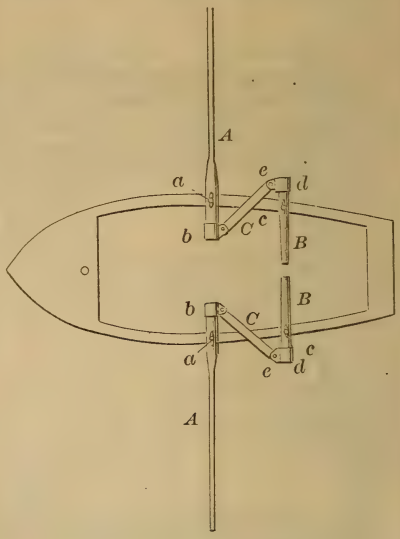
66844—*Continued.*



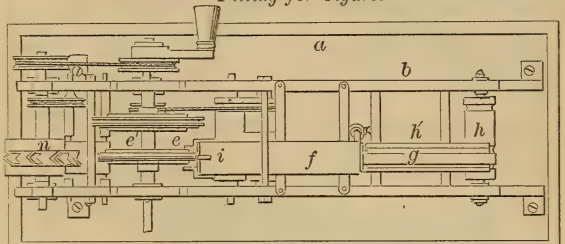
66846—G. W. Hyatt—*Hopple.*



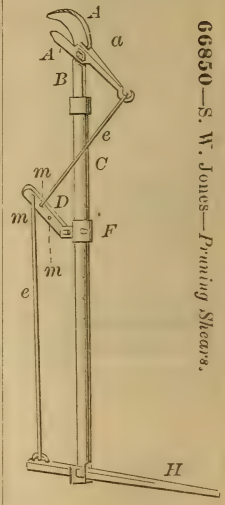
66847—A. S. Jacobs—*Oar.*



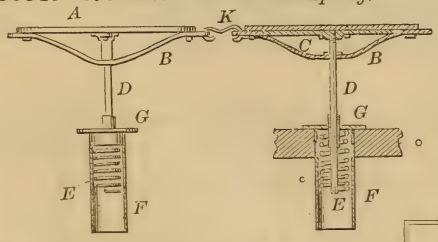
66845—W. W. Huse—*For Compressing and Cutting the Filling for Cigars.*



66850—S. W. Jones—*Pruning Shears.*

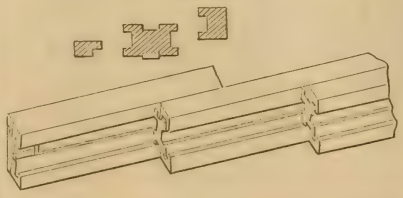


66849—J. Johnson—*Bed Bottom Spring.*

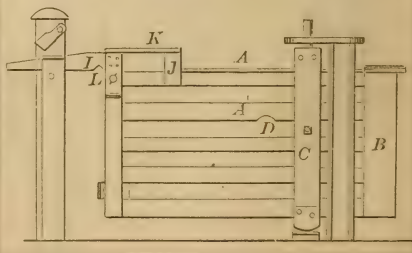


66848—P. Jewell, Jr.—*Rubber Coated Rubber Belting.*

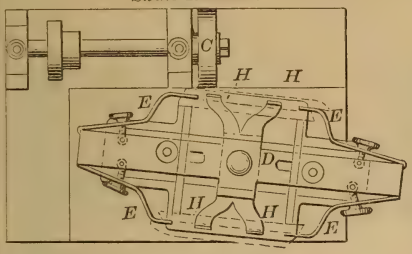
66851—C. Kean—*Extension Slide for Tables.*

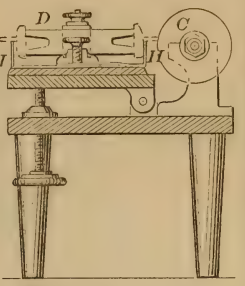


66852—E. Kemper—*Gate.*

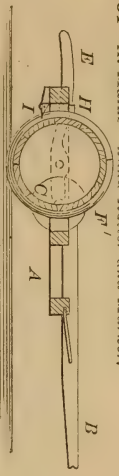


66853—A. Kipp, Jr.—*For Grinding Skate Runners.*

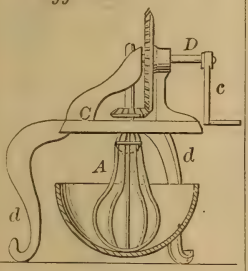




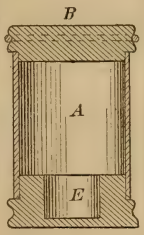
66861—A. Mains—*Lead Roller and Marker.*



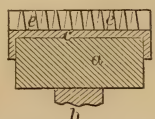
66855—P. Klepper—*Egg Beater*



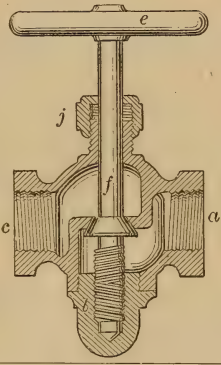
66858—C. L. Lochman—*Box for Indelible Ink, &c.*



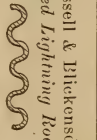
66856—B. I. Lane—*Scrubbing Utensil.*



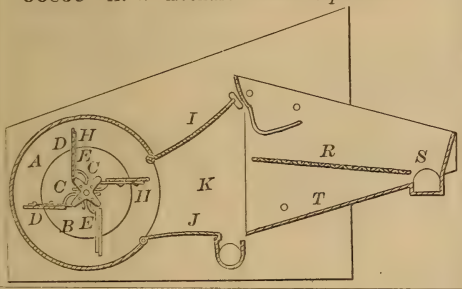
66857—D. Lee—*Globe Valve.*



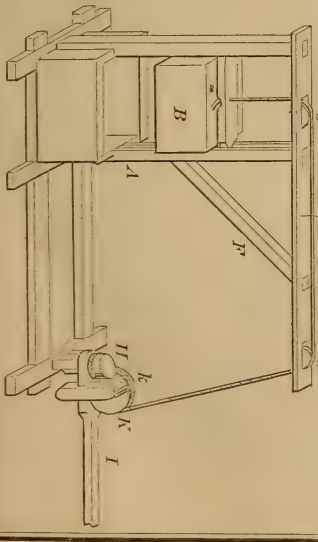
66854—Kissell & Blickensderfer—*Corrugated Lightning Rod.*



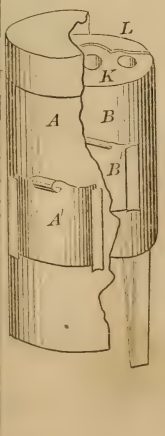
66859—A. W Lockart—*Grain Separator.*

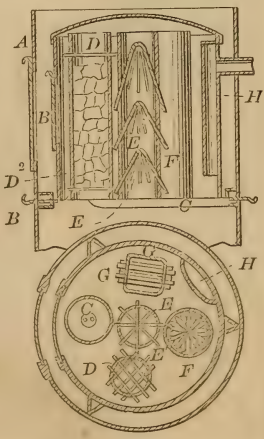


66860—S. Maturin—*For Pressing Hay and other purposes.*

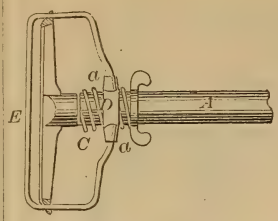


66862—M. S. Marshall—*Gas Stove.*

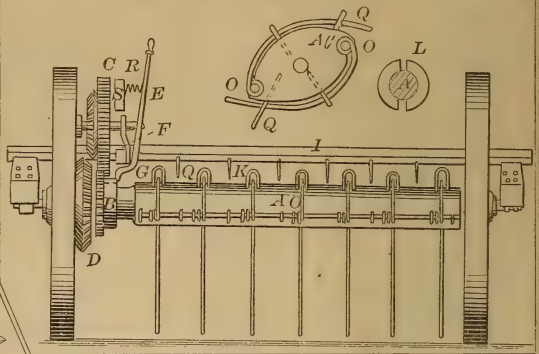




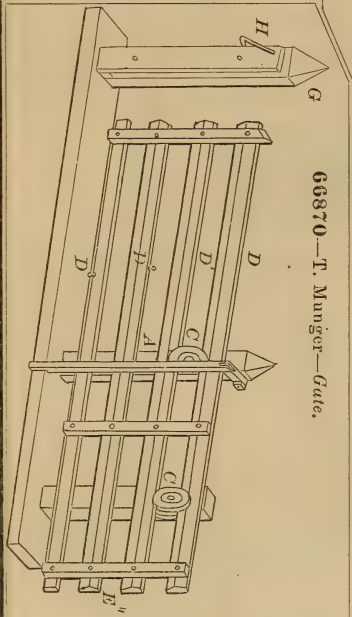
66863—Mason & Messenger—*Mop Head.*



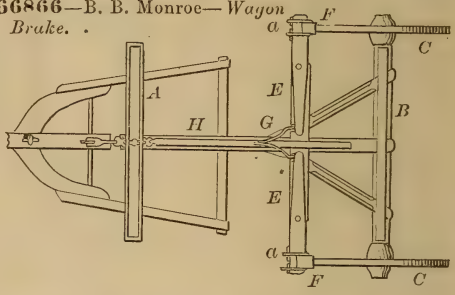
66865—W. H. McPherson—*Horse Rake.*



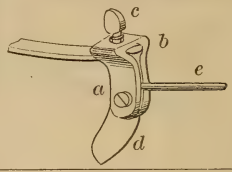
66870—T. Munger—*Gate.*



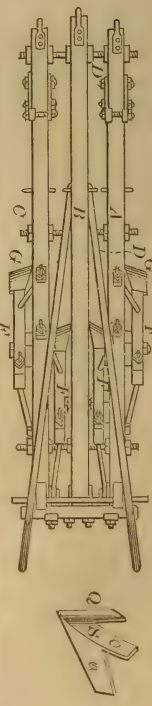
66866—B. B. Monroe—*Wagon Brake.*



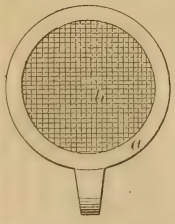
66864—J. W. Maxfield—*For Crimping Boots and Shoes.*



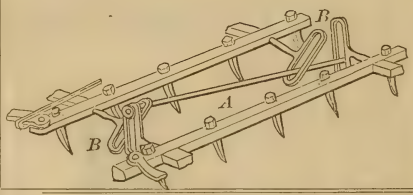
66871—J. Murphy—*Cultivator.*



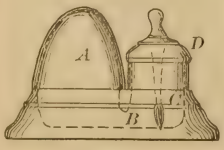
66867—F. Monroe—*Flour Box.*



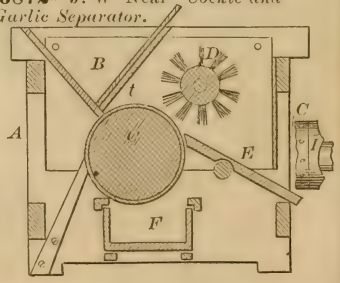
66869—J. E. Morgan—*Harrow.*



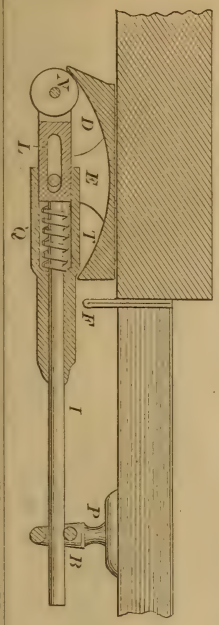
66868—E. Morgan—*Mucilage Stand.*



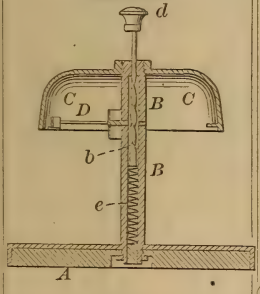
66872—J. W Neal—*Cockle and Garlic Separator.*



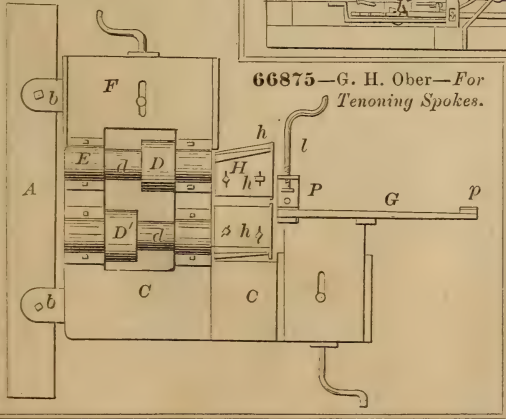
66873—J. M. Newton—*Door Spring.*



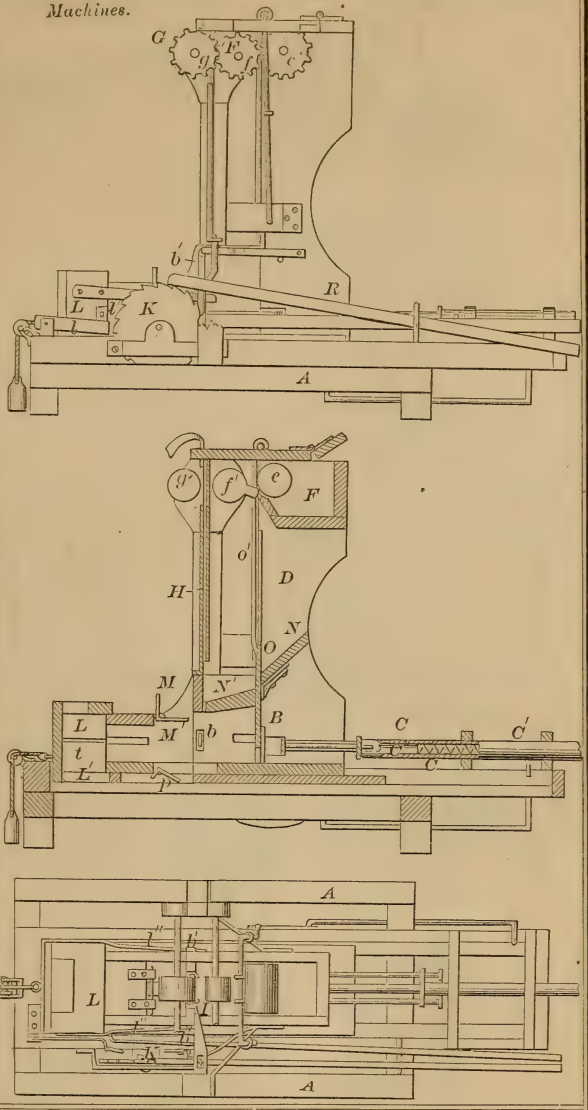
66874—W. H. Nichols—*Call Bell.*



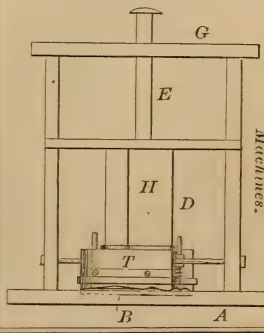
66875—G. H. Ober—*For Tenoning Spokes.*



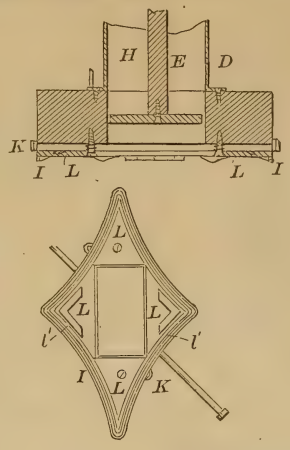
66876—E. B. Olmsted—*Packing Apparatus for Envelope Machines.*



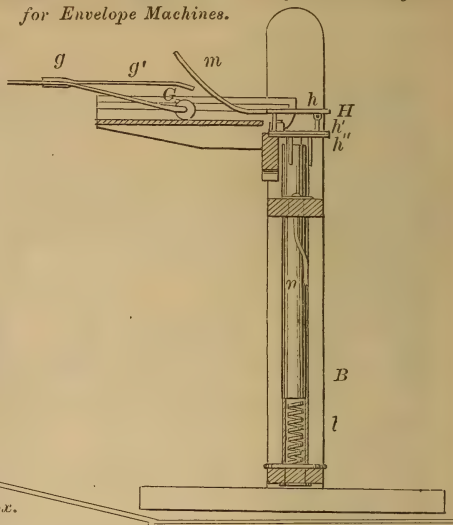
66877—E. B. Olmsted—*Cutting and Gumming Apparatus for Envelope Machines.*



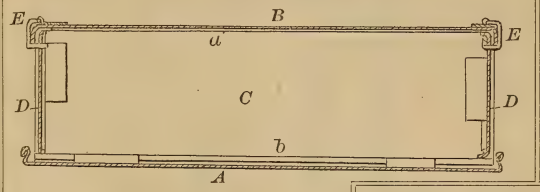
66877—*Continued.*



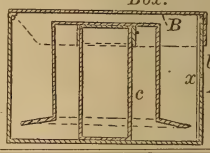
66878—E. B. Olmsted—*Folding and Printing Bed for Envelope Machines.*



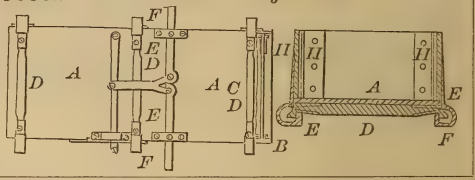
66881—F. B. Parks—*Folding Lunch Box.*



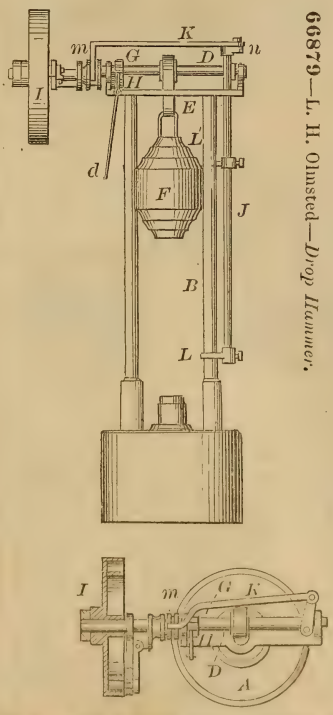
66880—C. W. Packer—*Hat Box.*

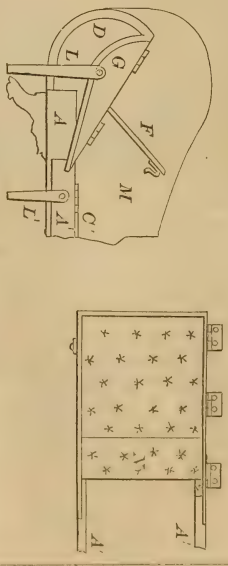


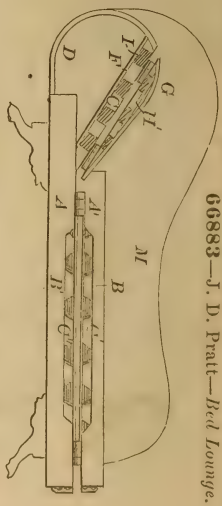
66882—D. H. Peterson—*Wagon Box.*



66879—L. H. Olmsted—*Drop Hammer.*

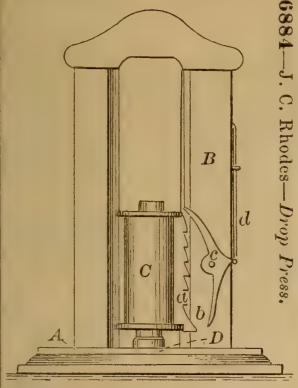




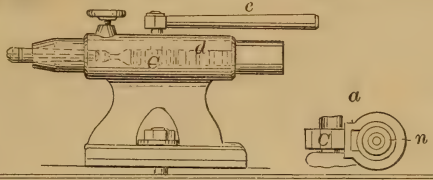


66883—J. D. Pratt—*Bed Lounge.*

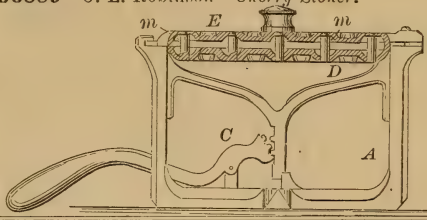
66884—J. C. Rhodes—*Drop Press.*



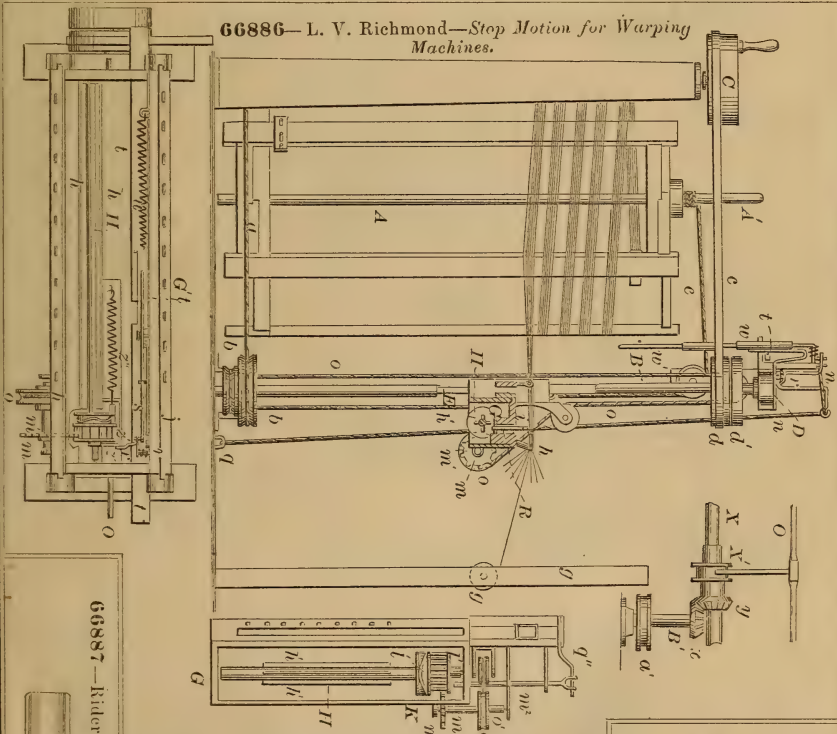
66885—J. Richards—*Wood Turning Lathe.*



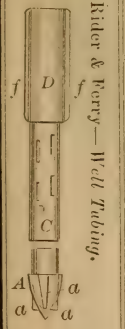
66889—O. L. Robinson—*Cherry Stoner.*



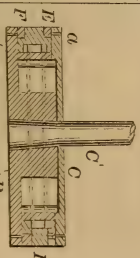
66886—L. V. Richmond—*Stop Motion for Warping Machines.*



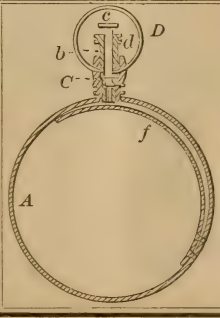
66887—Rider & Perry—*Well Tubing.*



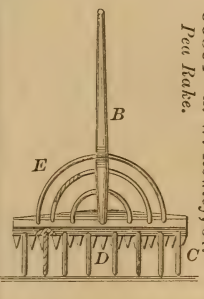
66888—G. Robinson—*Piston Packing.*



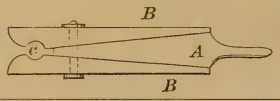
66890—H. Rothfelder—*Watch.*



66891—E. W. Rowley, Jr.—*Pea Rake.*

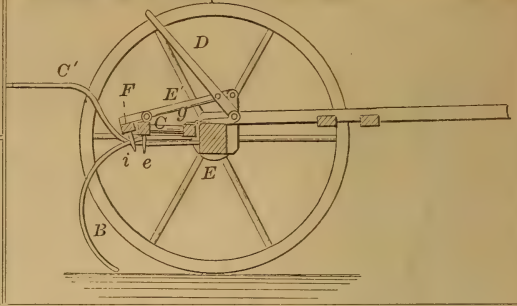


66892—J. S. Rowley—*Clip for for Clothes Lines.*

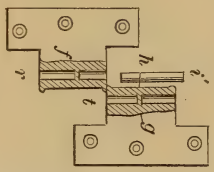


66898—S. A. Simison—*Ticket Holder.*

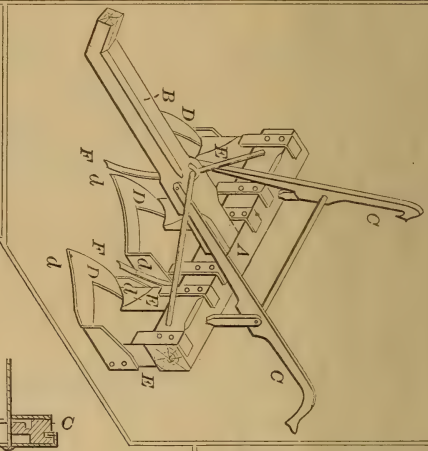
66894—D. P. Sharp—*Horse Rake.*



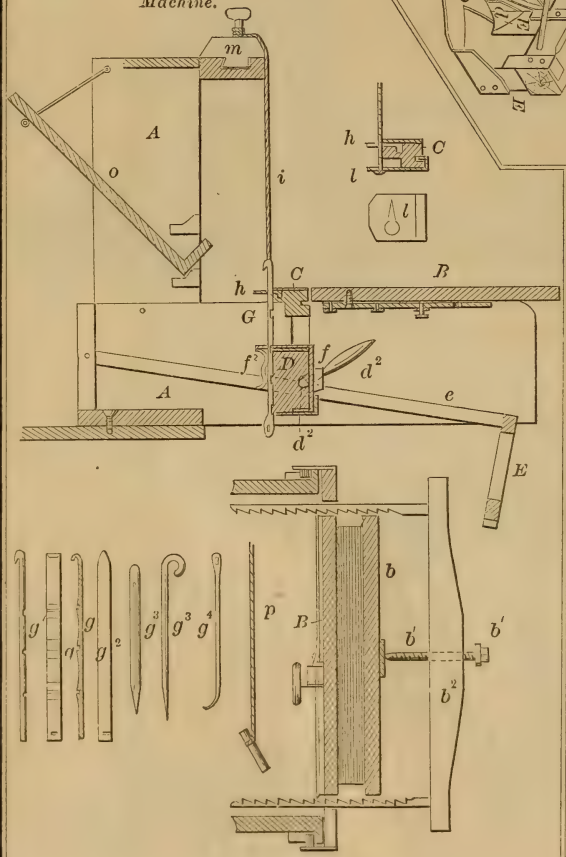
66893—Selden & Liddell—*Hinge.*



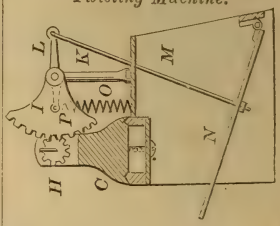
66895—F. M. Shields—*Cotton Plow.*

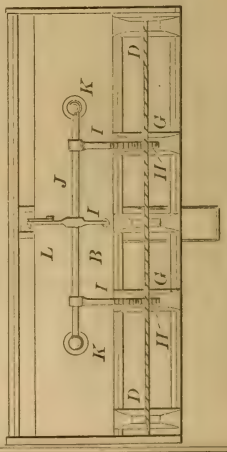


66899—F. Sims—*Book Sewing Machine.*

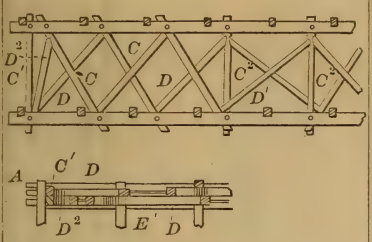


66896—C. Shortau—*Wire Twisting Machine.*

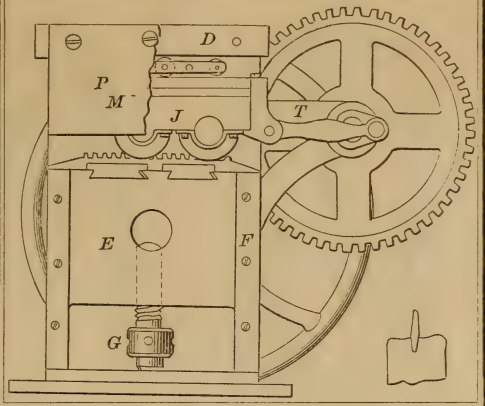




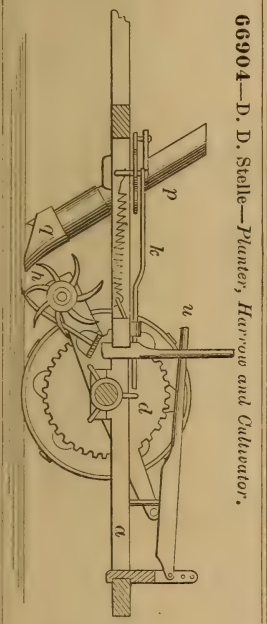
66900—R. W. Smith—*Bridge.*



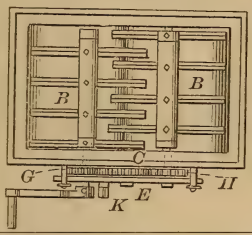
66905—W. F. Stillman—*For Rolling Hoes.*



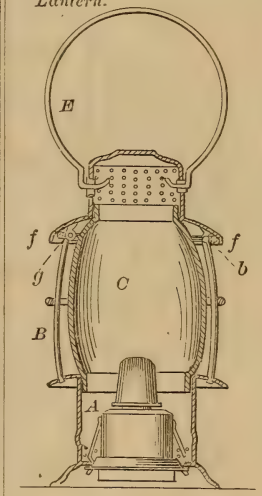
66904—D. D. Stelle—*Planter, Harrow and Cultivator.*



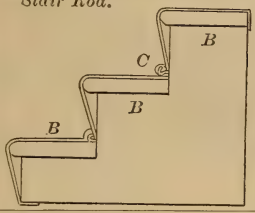
66901—M. H. Spaulding—*Churn.*



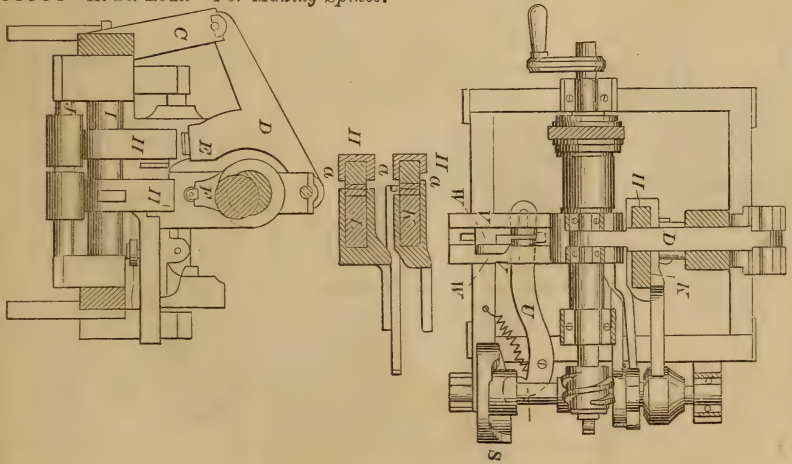
66902—C. F. Spencer—*Lantern.*



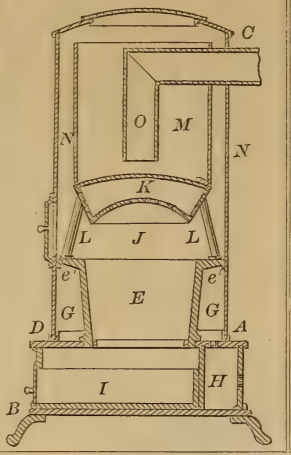
66903—C. E. Stearns—*Stair Rod.*



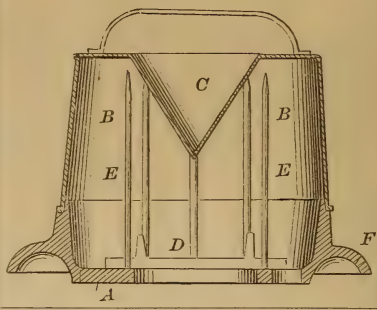
66906—A. St. Louis—*For Making Spikes.*



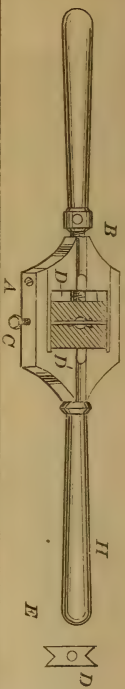
66907—J. H. Stone—*Coal Stove.*



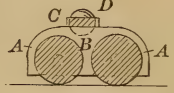
66911—D. C. Teller—*Steak Broiler.*



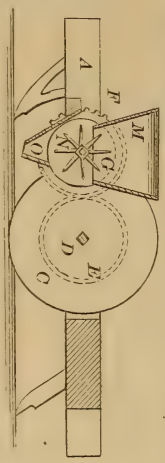
66908—G. C. Sweet—*Screw Plate.*

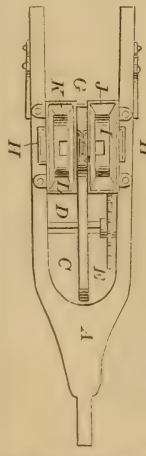


66909—A. L. Taylor—*Pastry Roller.*

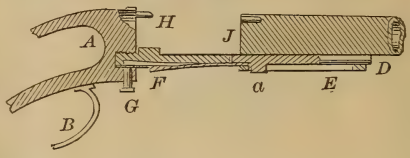


66912—M. L. & R. W. Thornton—*Corn and Cotton Seed Planter.*

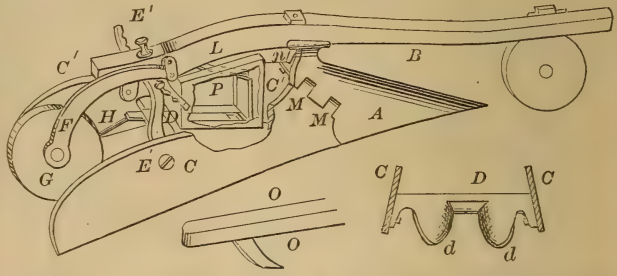




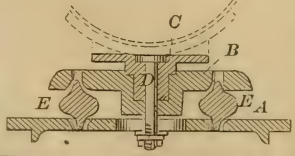
66913—Thrasher & Aiken—*Breech-Loading Fire Arm.*



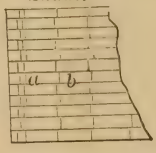
66910—S. J. Taylor—*Corn Planter and Cultivator.*



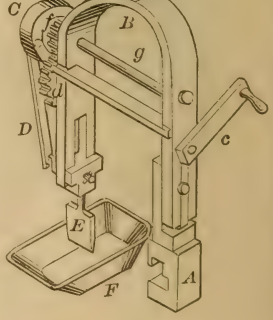
66914—J. E. & W. P. Tynan—*Locomotive Truck.*



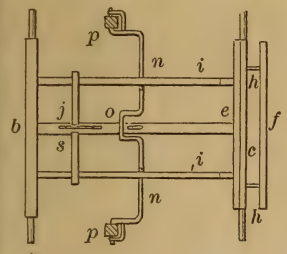
66915—M. Vetter—*Window Shade.*



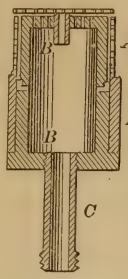
66916—W. H. H. Walker—*Meat Chopper.*



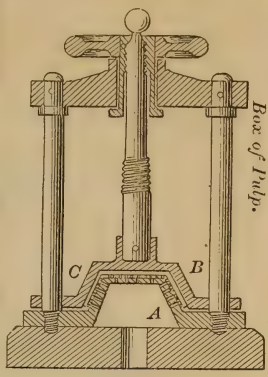
66917—S. Warren—*Wagon Brake.*



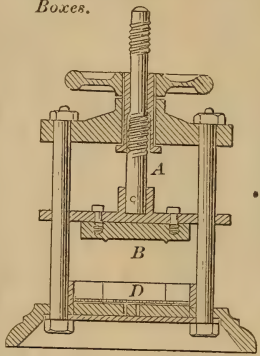
66918—Wheeler & Jerome—*Drying Box of Pulp.*



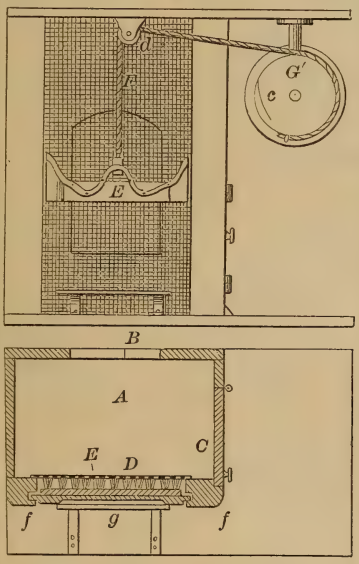
66919—Wheeler & Jerome—*Finishing Box of Pulp.*



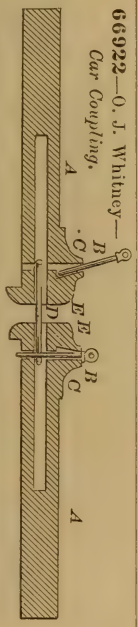
66920—Wheeler & Jerome—*Making Blanks for Paper Boxes.*



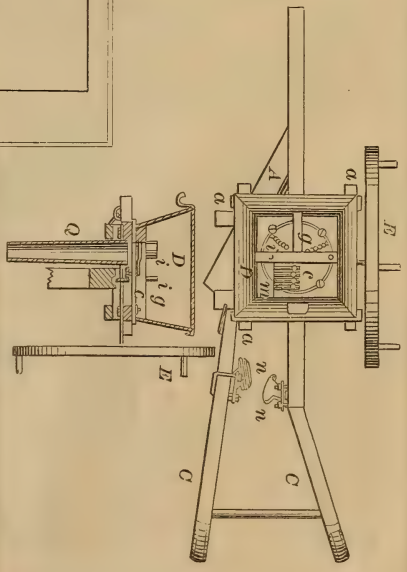
66921—J. Whitehill—*Dust Room in Cleaning Cotton.*



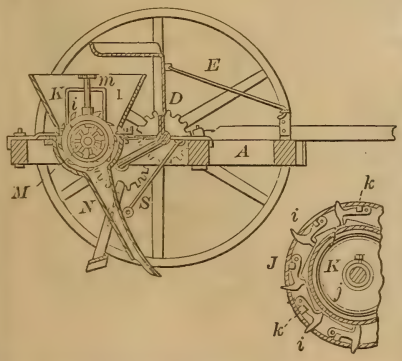
66922—O. J. Whitney—*Car Coupling.*



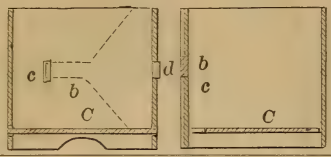
66923—B. Wieland—*Corn Planter.*



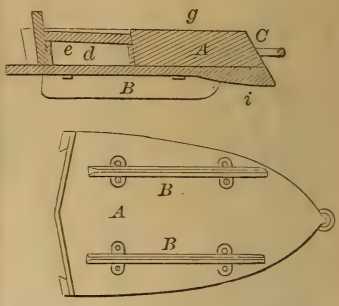
66924—Wilcox & Caldwell—*Cotton Seed Planter.*



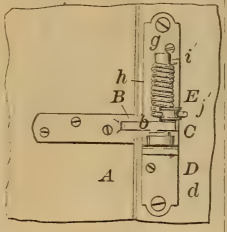
66925—W. R. Wilcox—*Fruit Box.*



66926—D. L. Winsor—*Snow Plow.*

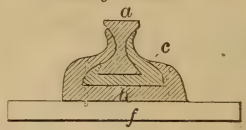


66927—A. Wiswall—*Door Spring and Hinge.*

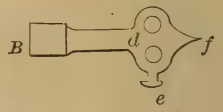


66928—L. Wolf—*Key for Piano Fortes.*

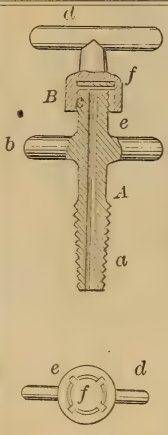
66930—L. M. Woodcock—*Railway Chair.*



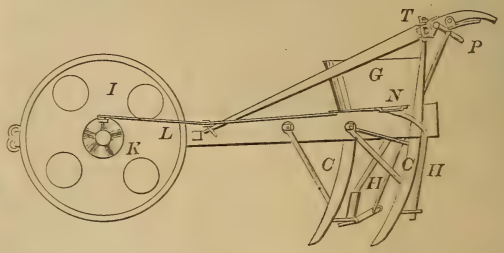
66935—Barney & Berry—*Skate Fastener.*



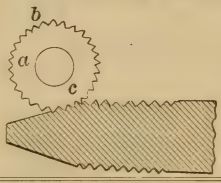
66929—O. N. Wood—*Vent Plug.*



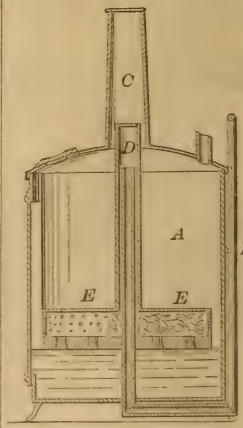
66934—W. M. Ball—*Cultivator.*



66931—Young & Hoard—*For Threading Screws.*



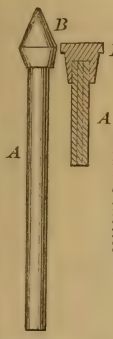
66937—W. W. Bierce—*For Carbureting Gas.*



66932—W. Young—*Steam and Water Joint.*

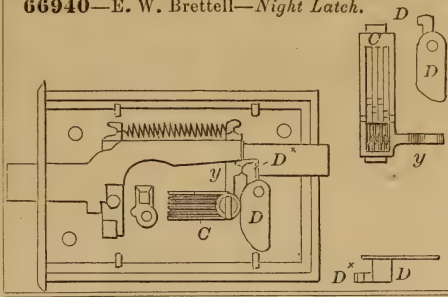
66936—A. Bayley—*Tea and Coffee Pot.*

66938—J. B. Blair—*Rubber Head for Lead Pencils.*

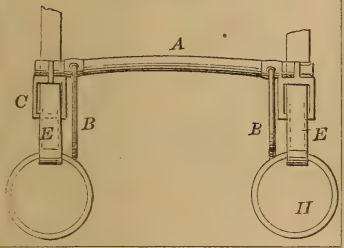


66939—J. D. Bowen—*Plow.*

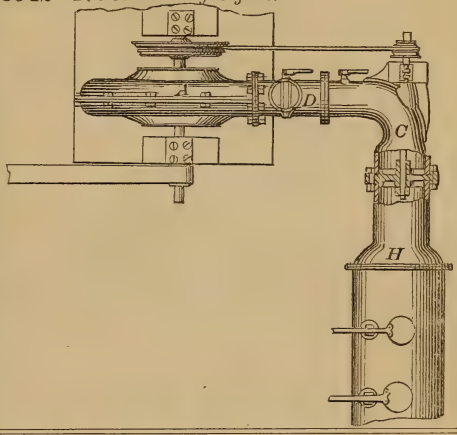
66940—E. W. Brettell—*Night Latch.*



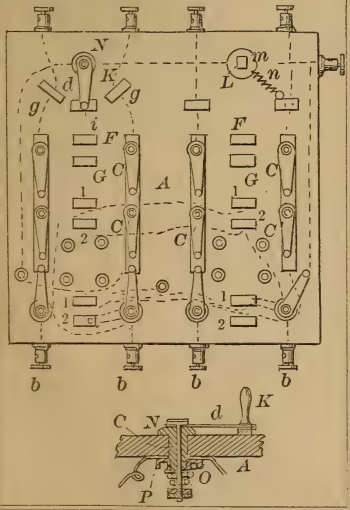
66941—W. Brower—*Pulley Bit for Bridles.*



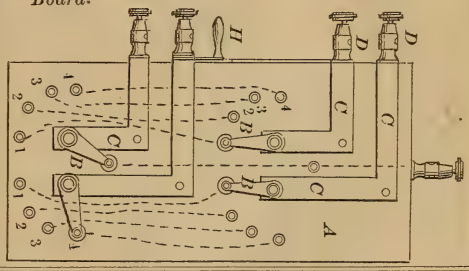
66942—F. Brown—*Fog Signal.*



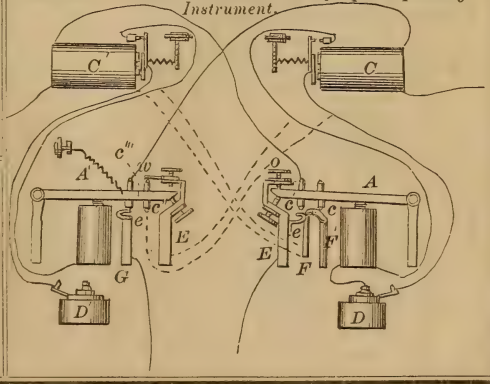
66943—W. G. Brownson—*Telegraphic Switch Board.*



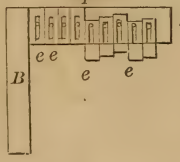
66944—W. G. Brownson—*Telegraph Battery Switch Board.*



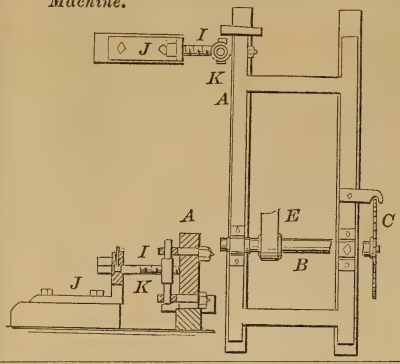
66945—Brownson & Shull—*Telegraph Repeating Instrument.*



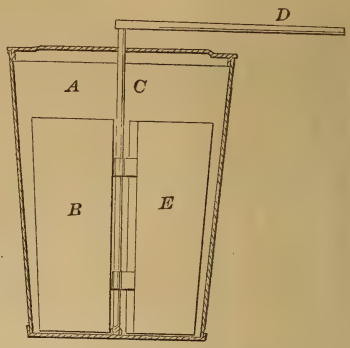
66946—Burt & Miller—*Trial Square.*



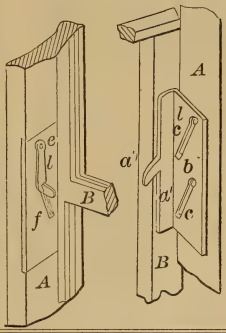
66947—D. G. Canfield—*Circular Sawing Machine.*



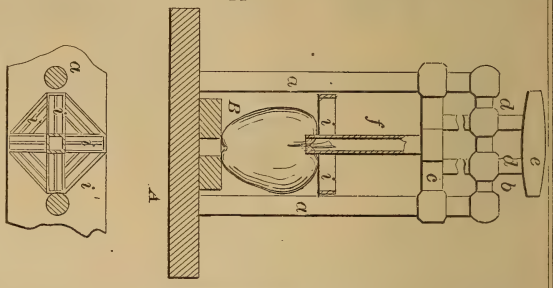
66949—L. M. Cook—*Churn.*



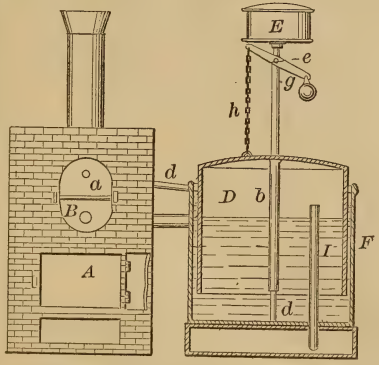
66948—J. W. Childs—*Sash Fastening.*



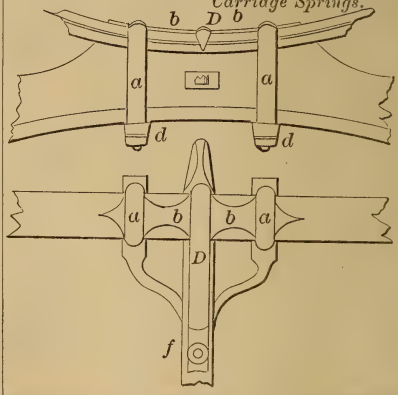
66951—G. Custer—*Apple Corer and Slicer.*



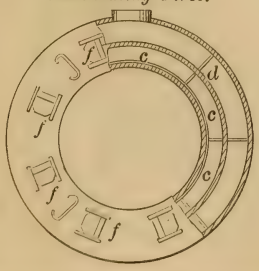
66950—R. T. Coverdale—*Gas Apparatus.*



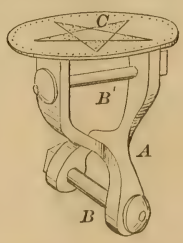
66953—J. H. Deal—*Clip and Brace for Carriage Springs.*



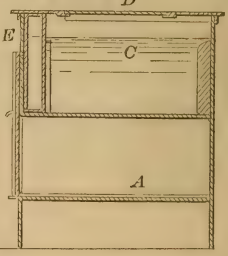
66952—McD. Darrow—*For Heating Tires.*



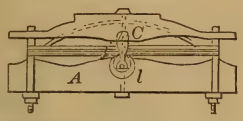
66954—J. H. Deal—*Step for Spring Wagons*



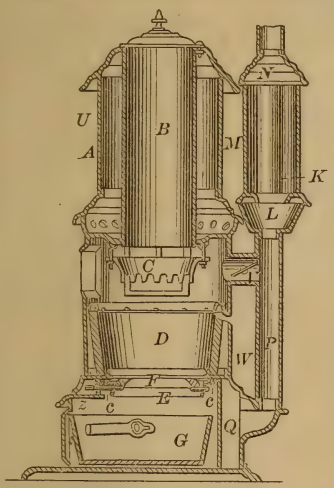
66955—R. E. Deane—*Cooking Range.*

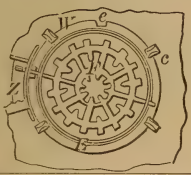


66956—J. Deeble—*Fifth Wheel for Carriages.*

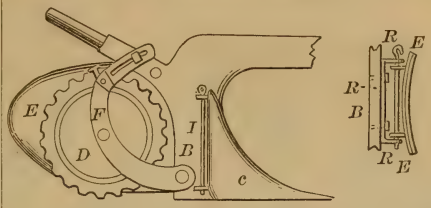


66957—W. C. Durant—*Coal Stove.*

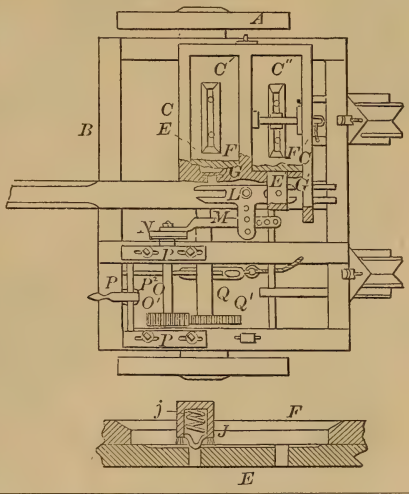




66958—W. C. Evarts—*Plow.*



66959—J. B. Gemmill—*Corn Planter and Guano Sower.*



66960—F. Hermann—*Cross Head for Sawmills.*

Fig. 1

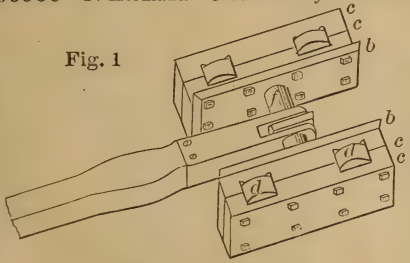


Fig. 6

Fig. 4

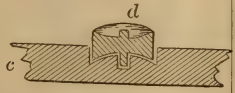
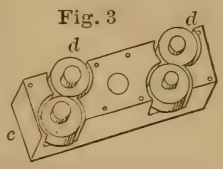
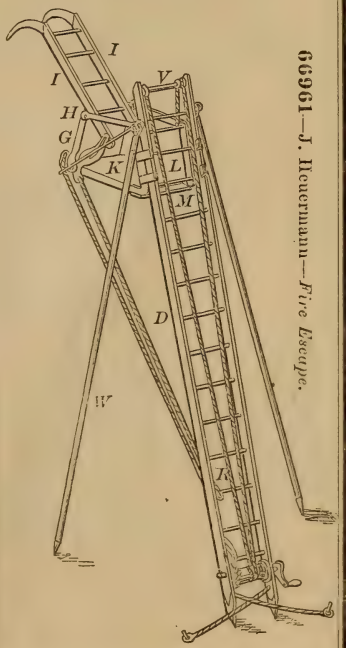


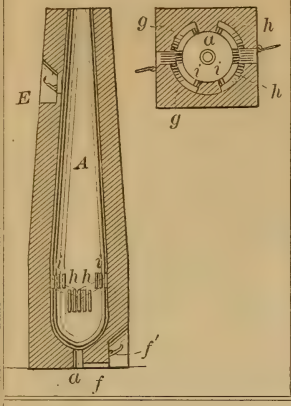
Fig. 3



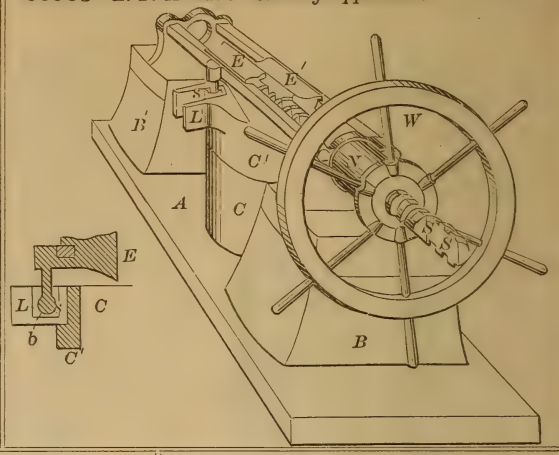
66961—J. Heuermann—*Fire Escape.*



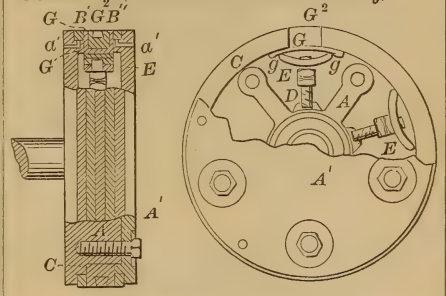
66962—S. C. Hotchkiss—*Lime Kiln.*



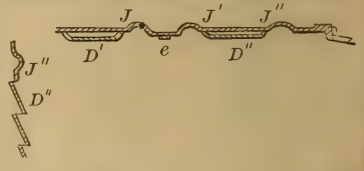
66963—E. F. Howard—*Steering Apparatus.*



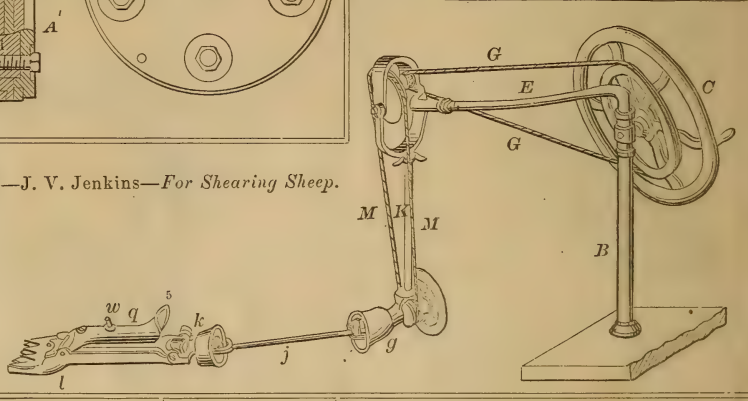
66964—W. S. Hudson—*Piston Packing.*



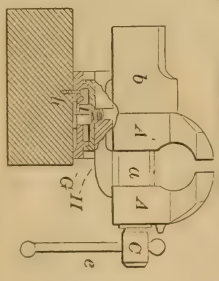
66967—J. M. Jomain—*Metallic Blind.*



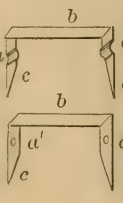
66966—J. V. Jenkins—*For Shearing Sheep.*



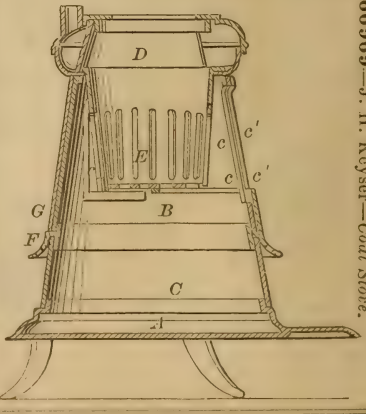
66965—A. Jameson—*Vise.*



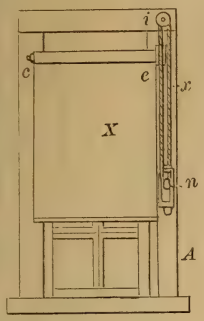
66968—M. H. N. Kendig—*Paper Fastening.*



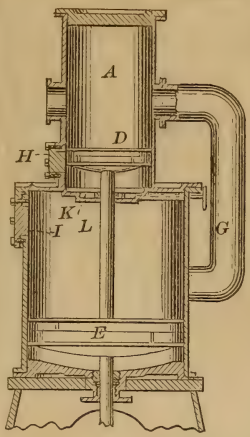
66969—J. H. Keyser—*Coal Stove.*



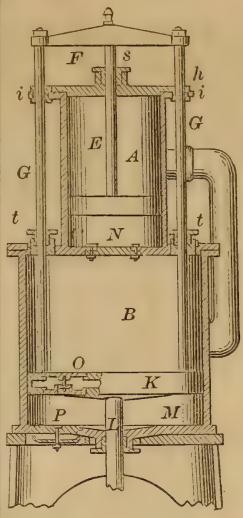
66970—E. B. Lake—*Curtain Fixture.*



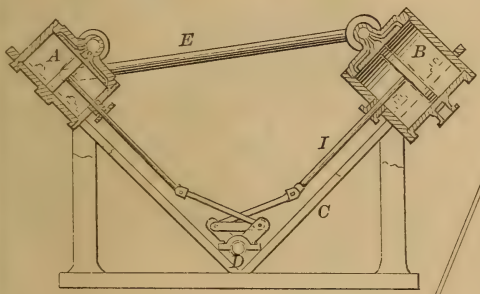
66971—J. L. Lay—*Steam Engine.*



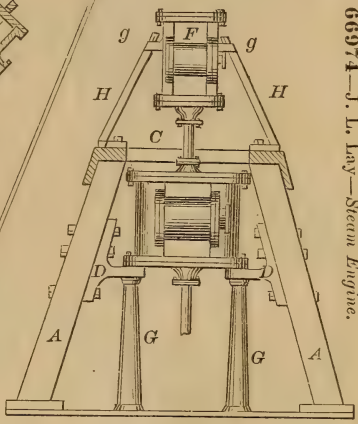
66972—J. L. Lay—*Steam Engine.*



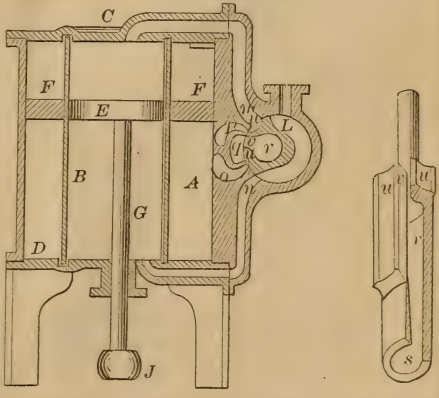
66973—J. L. Lay—*Steam Engine.*



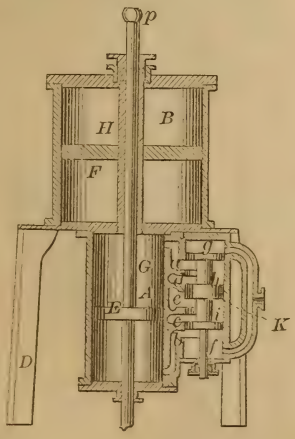
66974—J. L. Lay—*Steam Engine.*



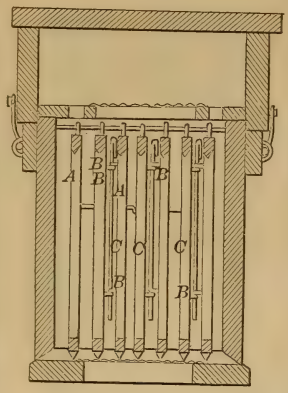
66975—J. L. Lay—*Steam Engine.*



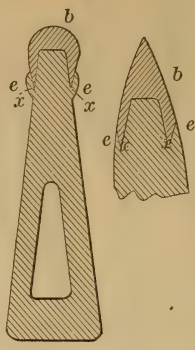
66976—J. L. Lay—*Steam Engine.*



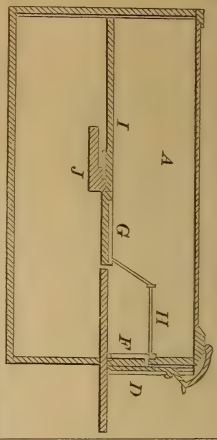
66977—G. W. Leffingwell—*Beehive.*



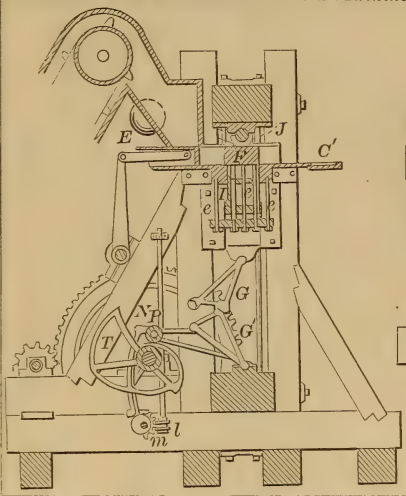
66978—J. Lippincott—*Axe.*

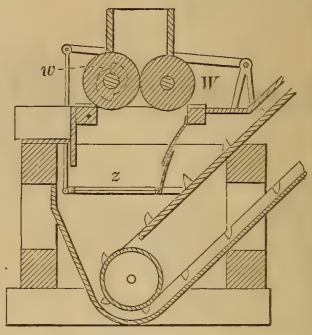


66980—D. J. Martin—*Animal Trap.*



66979—Lotz & Baumann—*Brick Machine.*

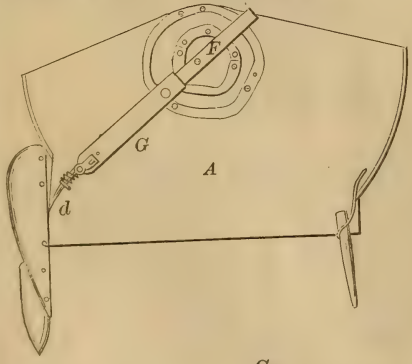


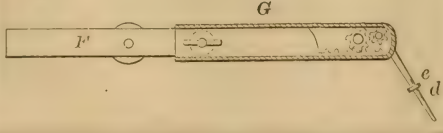


66985—Mitchell & Moriarty—*Moustache Guard.*

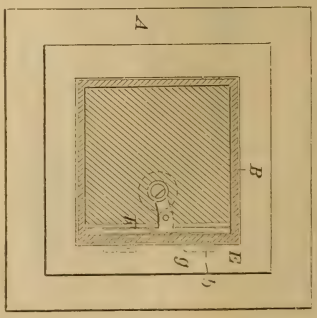
66981—J. Matson—*Carpet Fastener.*

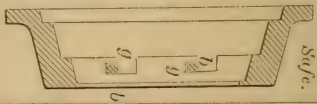
66983—J. Miller—*Harvester Rake.*



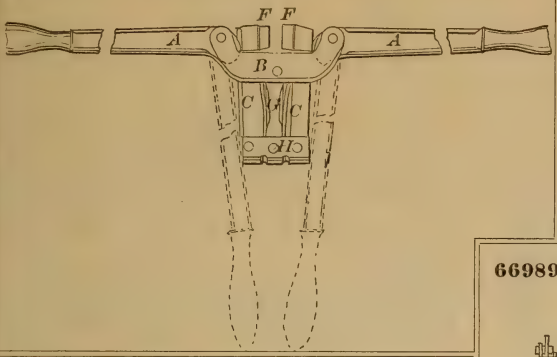


66984—L. H. Miller—*Burglar and Fireproof Safe.*

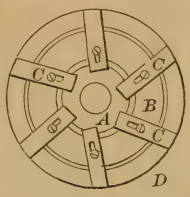




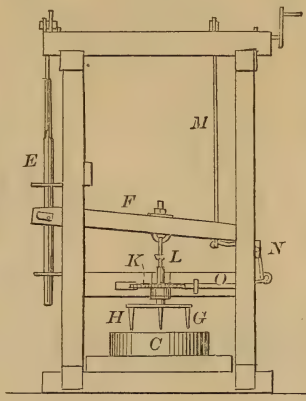
66986—L. J. Newlan—*Bolt Cutter.*



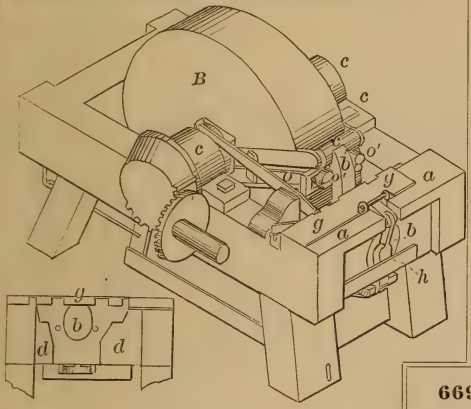
66988—G. H. Ober—*Wood Planing Machine.*



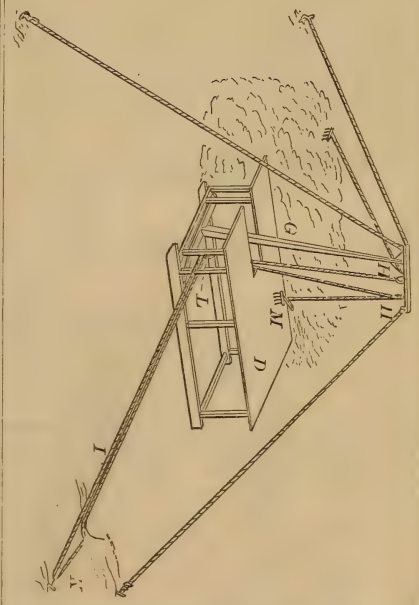
66989—H. Obrecht—*Meat Chopper.*



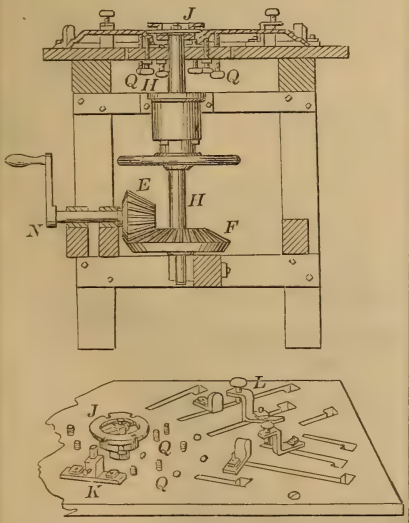
66991—A. Reese—*Horse Shoe Machine.*



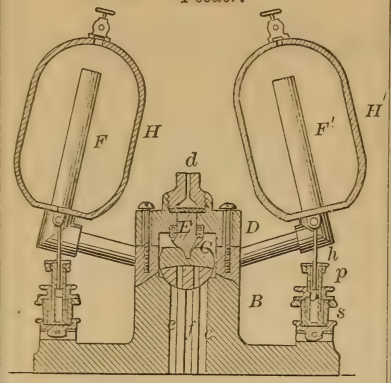
66990—W. L. Overhiser—*Hay Elevator.*



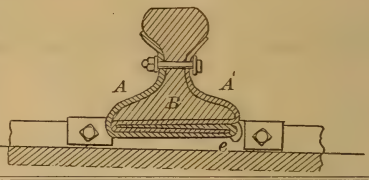
66992—A. P. Rich—*For Fitting up Boiler Hole Seats.*



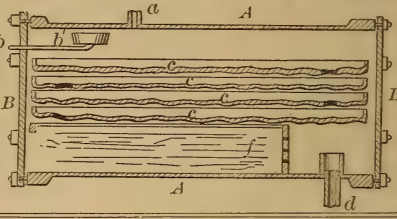
66993—G. A. Riedel—*Automatic Boiler Feeder.*



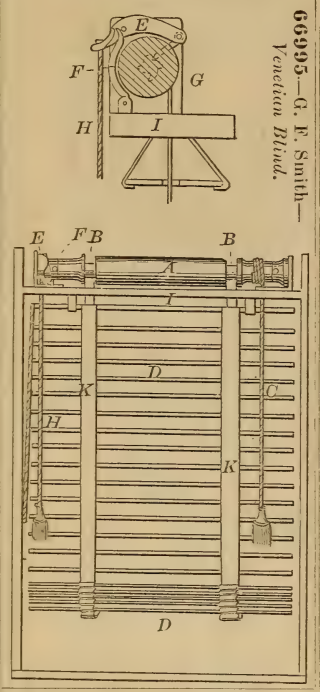
66994—T. E. Sexton—*Railroad Rail Coupling.*



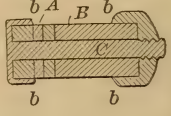
66998—E. R. Stilwell—*Feed Water Heater.*



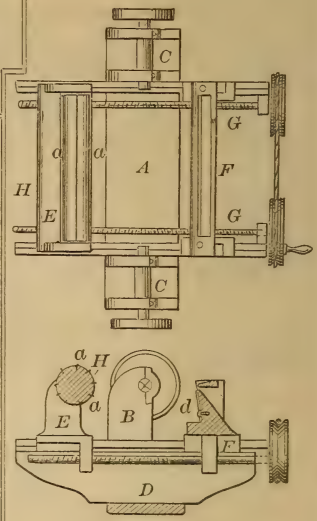
66995—G. F. Smith—*Venetian Blind.*



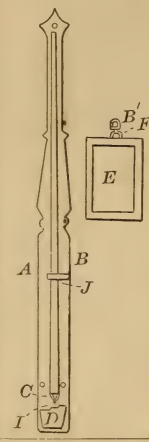
66996—O. B. Smith—*Loom Picker.*



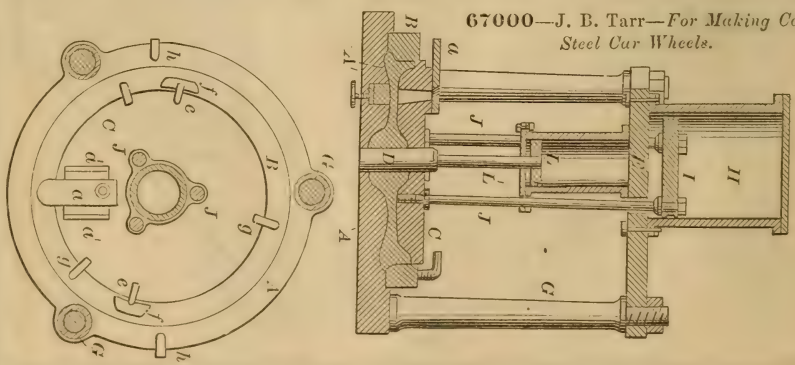
66997—T. B. Smith—*For Cutting Veneers.*



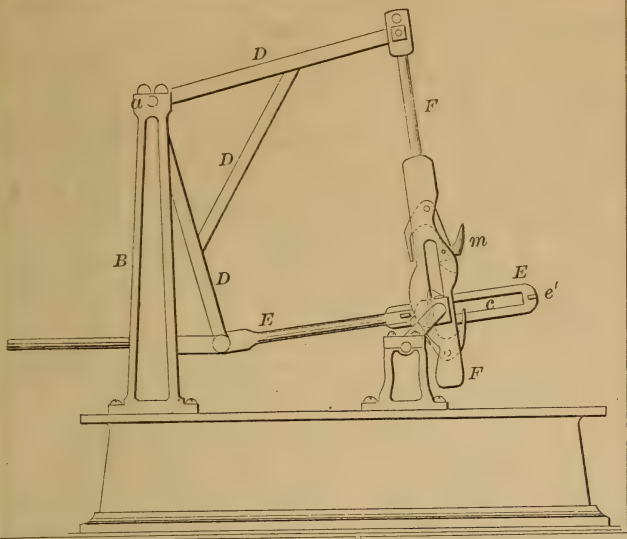
66999—J. Stofer—*Toilet Glass.*



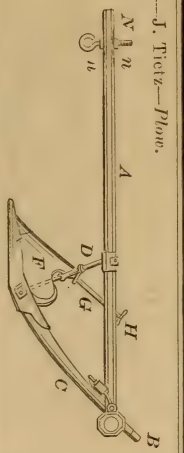
67000—J. B. Tarr—*For Making Cast Steel Car Wheels.*



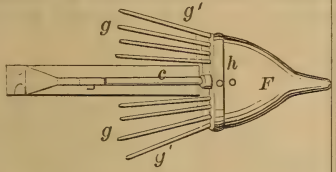
67001—T. Taylor—*Crank Motion.*



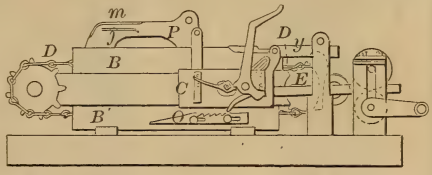
67002—J. Tietz—*Plow.*



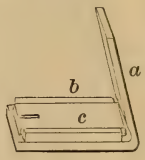
67004—J. Walmsley—*Potato Digger.*

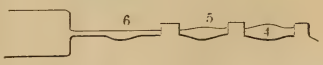


67003—C. W. Wailey—*For Pulling Metal Hoops from the Finishing Rolls of Rolling Machines.*

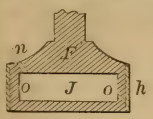


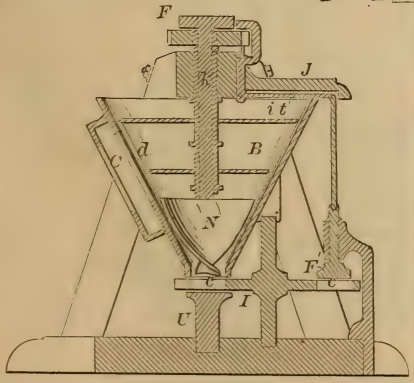
67005—H. Waters—*Fagot for Scythes.*



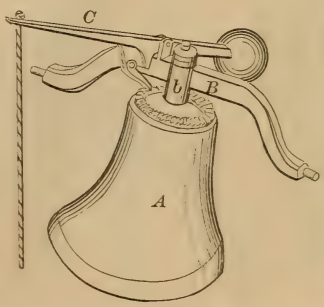


67007—J. A. Welsh—*Brick Machine.*

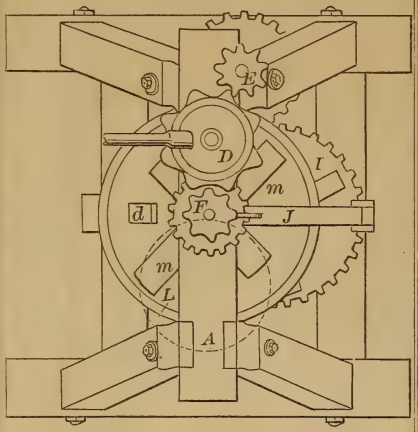




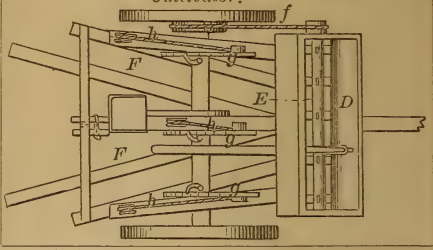
67006—P. L. Weimer—*For Ringing Bells.*



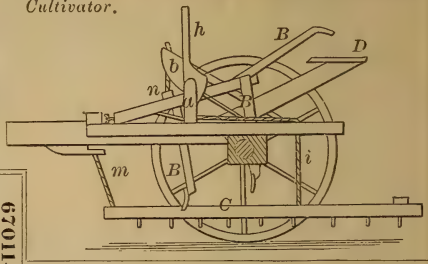
67007—*Continued.*



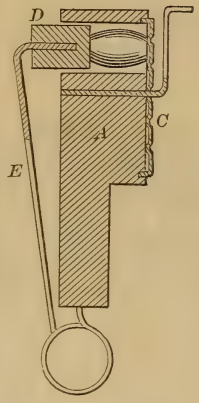
67008—W. & J. Whait—*Seeder and Cultivator.*



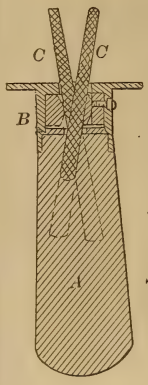
67009—W. & J. Whait—*Sulky Harrow and Cultivator.*



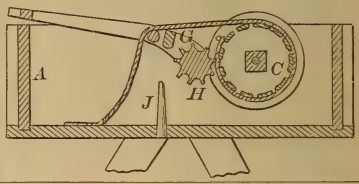
67010—Whitney & Davis—*Nutmeg Grater.*



67011—McC. Young—*Knife Sharpener.*

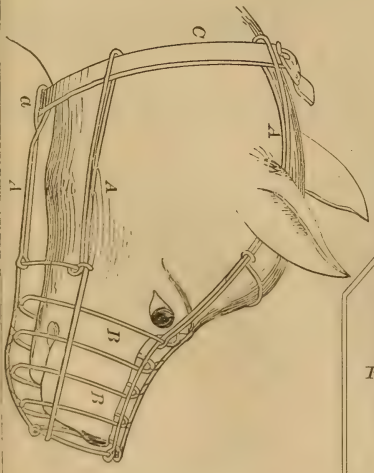


67013—W. W. Adams—*Washing Machine.*

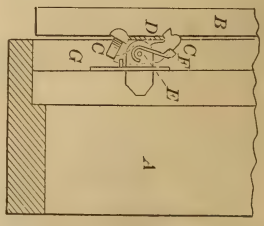


67014—J. A. Ayres—*Screwdriver.*

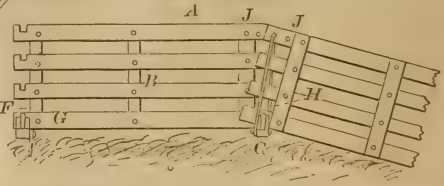
67016—Belmer & Schultz—*Dog Muzzle.*



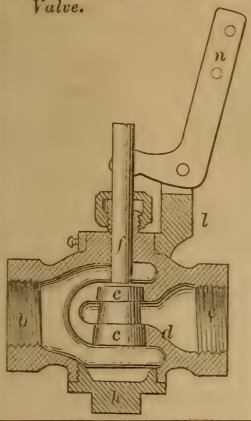
67015—J. R. Baker—*Window Blind Fastener.*



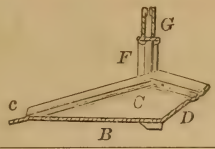
67017—I. Boone—*Fence.*



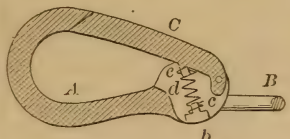
67018—J. Briggs—*Globe Valve.*



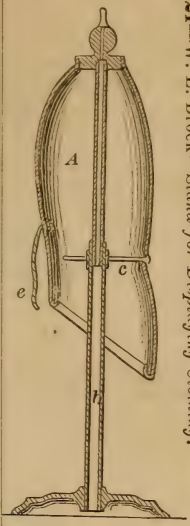
67019—A. Brigham—*Dust Pan.*



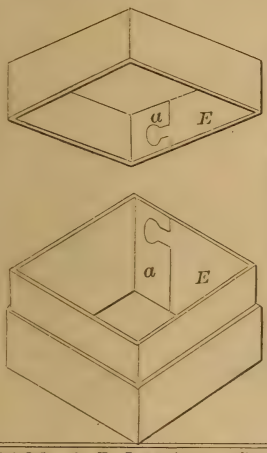
67020—C. B. Bristol—*Snap Hook.*



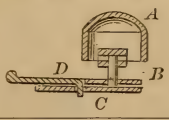
67021—W. E. Brock—*Stand for Displaying Clothing.*



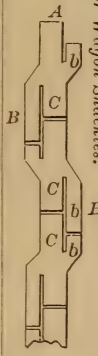
67022—L. Carrier—*Pasteboard Box.*



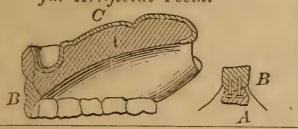
67023—V. Charlet—*Stud and Button Fastening.*



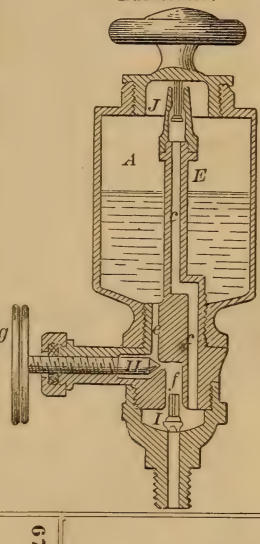
67024—J. B. Clark—*Making Solid Blanks for Wagon Shackles.*



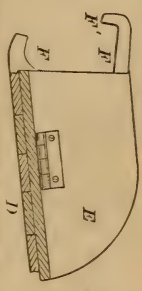
67026—G. F. J. Colburn—*Base for Artificial Teeth.*



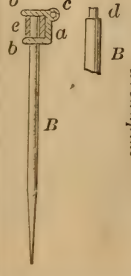
67027—J. Collett—*Steam Engine Lubricator.*



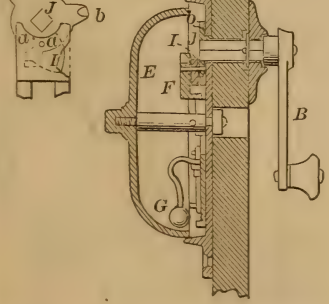
67028—E. F. Conner—*Wagon Bed.*



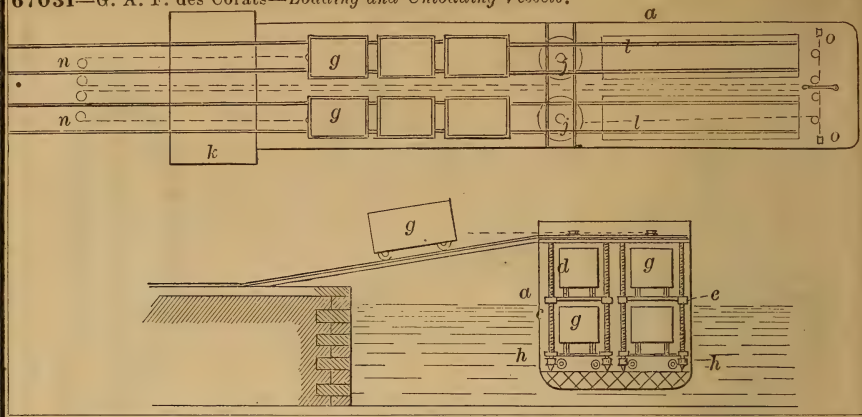
67029—S. Davidson—*Tongue for Breastpins.*



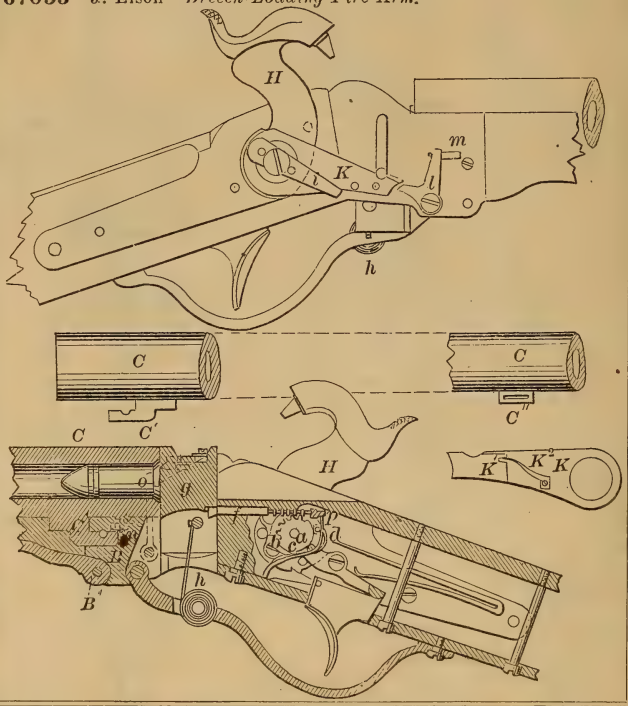
67030—Delavan & Dyson—*Door Bell.*



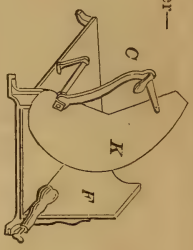
67031—G. A. F. des Corats—*Loading and Unloading Vessels.*

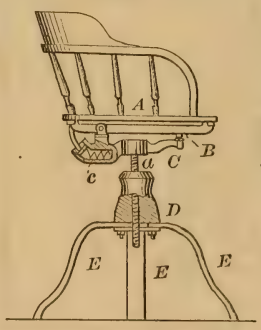


67033—J. Elson—*Breech-Loading Fire Arm.*



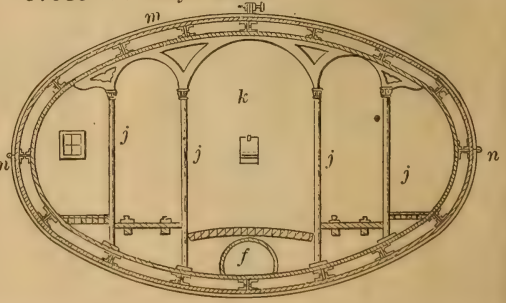
67032—A. M. Dexter—*Bread Cutter.*



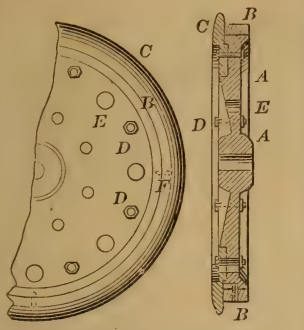


67034—R. Fitts, Jr.—*Office Chair.*

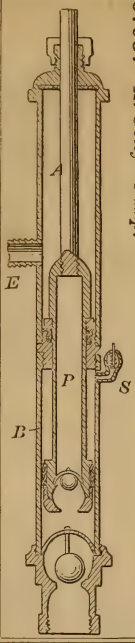
67035—R. Foley—*Tunnel.*



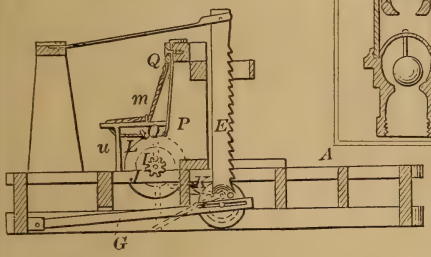
67036—D. Forrest—*Car Wheel.*

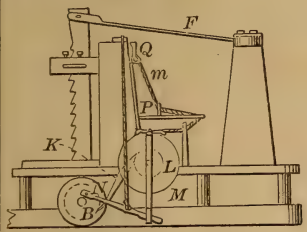


67037—H. Getty—*Pump.*

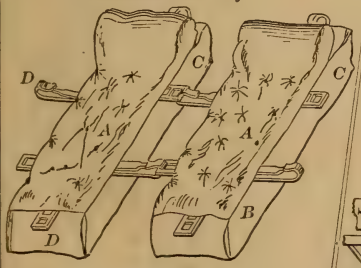


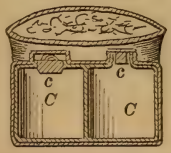
67038—Gifford & Felts—*Sawmill.*



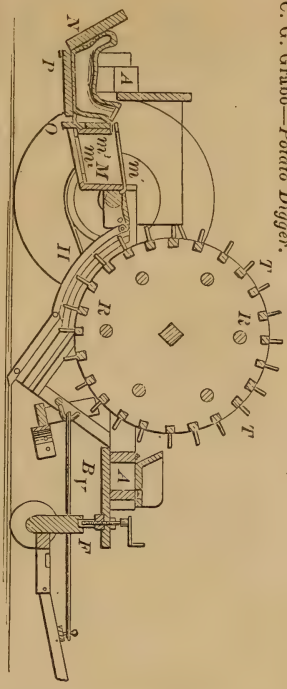


67039—J. Golding—*Life Preserving Mattress and Raft.*

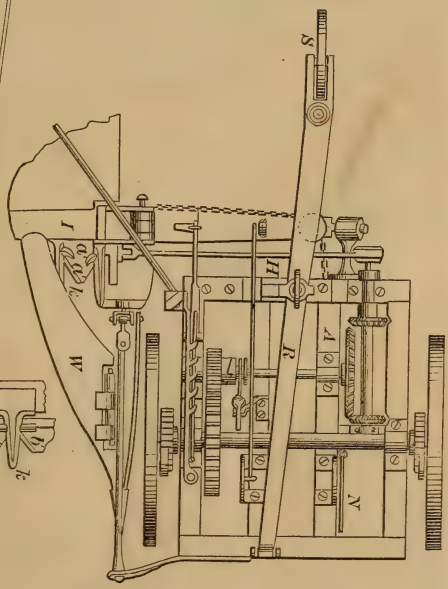




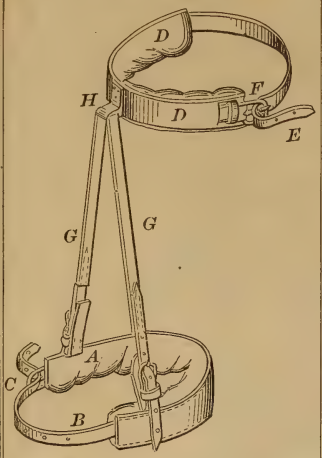
67040—C. G. Grabo—*Potato Digger.*



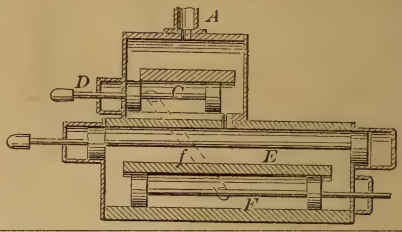
67041—A. B. Graham—*Harvester.*



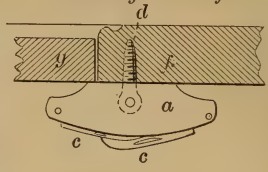
67042—W. M. Greenwood—*Training Hopple.*



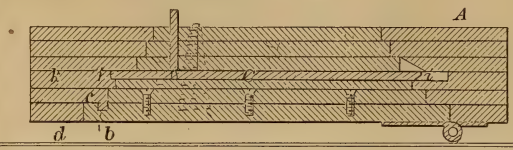
67043—Griswold & Caul—*Cut-off Valve.*



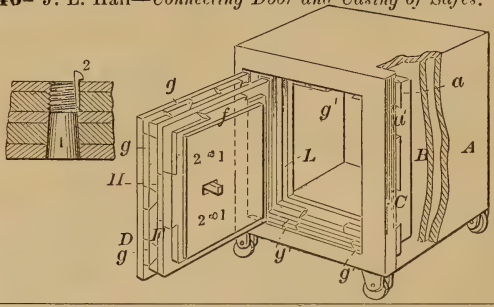
67044—A. W. Hall—*Door Fastening and Knife.*



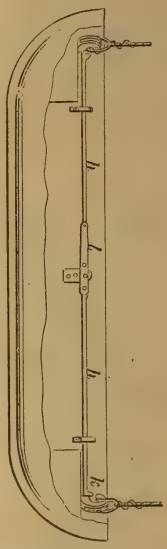
67045—J. L. Hall—*Safe.*



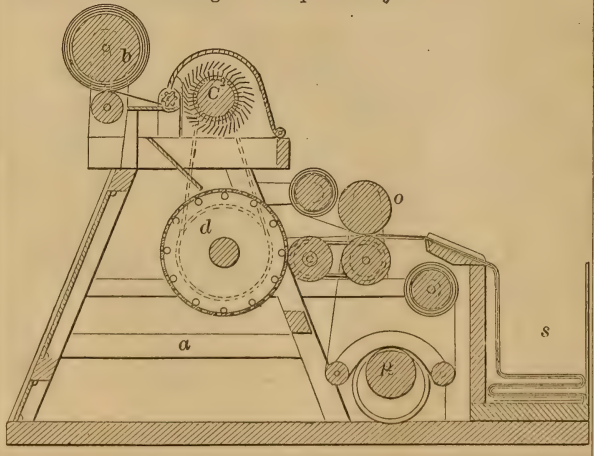
67046—J. L. Hall—*Connecting Door and Casing of Safes.*



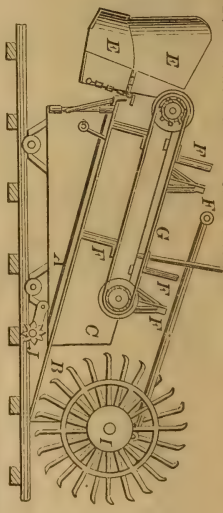
67047—T. C. Hargrave—*Boat Detaching Tackle.*



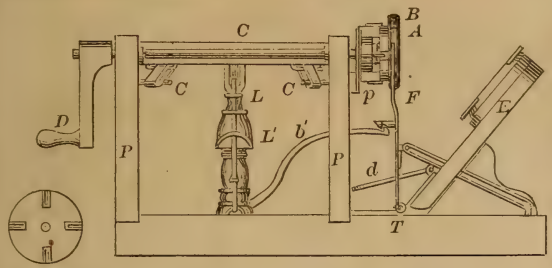
67048—J. R. Harrington—*Carpet Lining.*



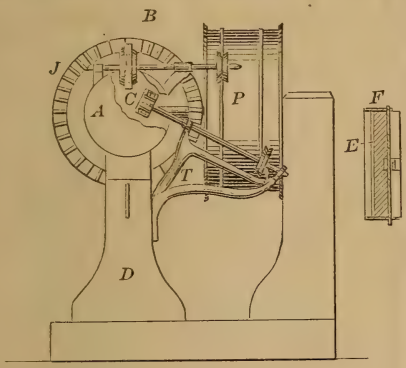
67049—R. S. Harris—*Snow Plow.*



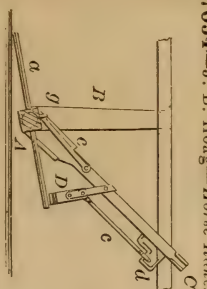
67050—C. B. Hatfield—*Making Paper Boxes.*



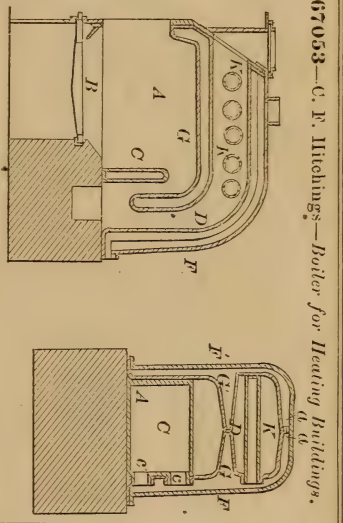
67051—C. B. Hatfield—*Making Paper Boxes.*



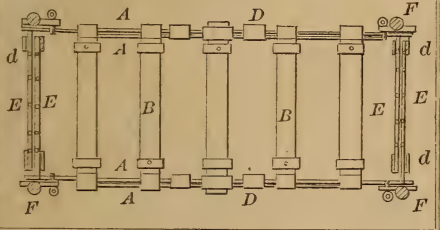
67052—J. B. Hoag—*Horse Rake.*



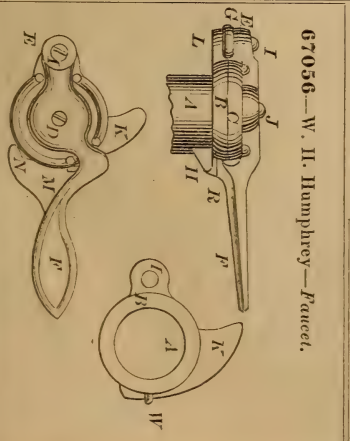
67053—C. F. Hitchings—*Boiler for Heating Buildings.*



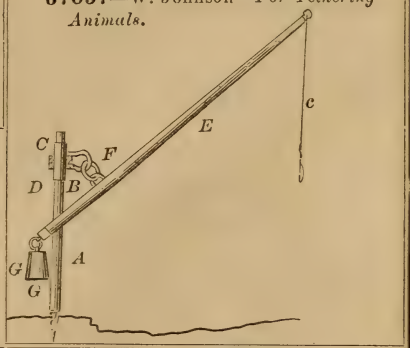
67055—J. Holzman—*Extension Bedstead.*



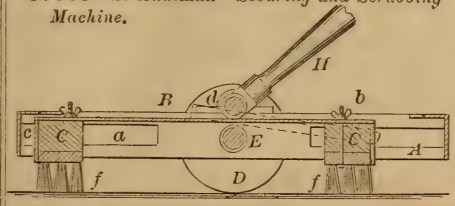
67056—W. H. Humphrey—*Faucet.*



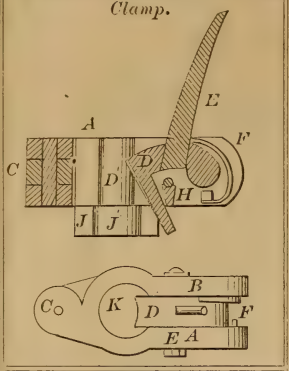
67057—W. Johnson—*For Tethering Animals.*



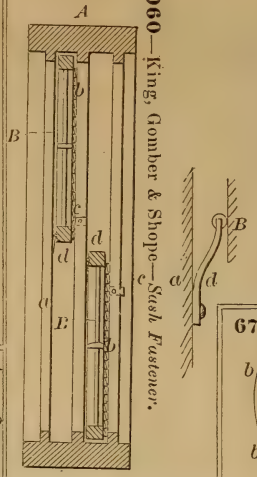
67058—S. Kaufman—*Scouring and Scrubbing Machine.*



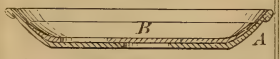
67059—H. Kewley—*Tubing Clamp.*



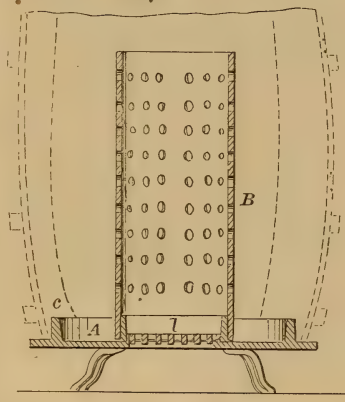
67060—King, Gomber & Shope—*Sash Fastener.*



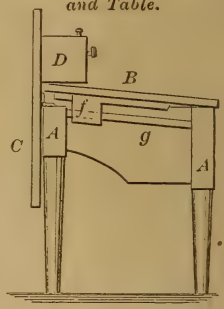
67061—Kohler & Conover—*Pie Plate.*



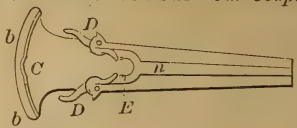
67062—J. F. Little—*Barrel Cresset.*



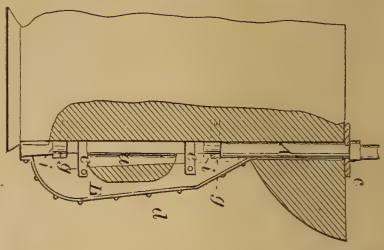
67063—A. A. McMore—*Desk and Table.*



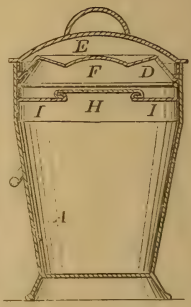
67064—J. P. Morris—*Car Coupling.*

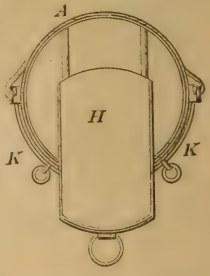


67066—T. W. Murray—*Rudder.*

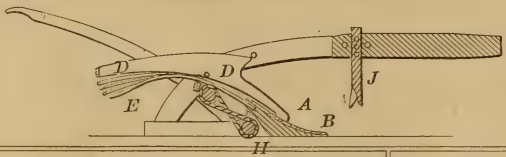


67067—J. H. Orr—*Chamber Pail.*

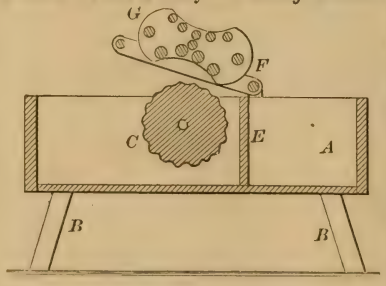




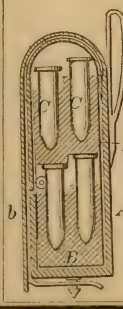
67068—J. D. C. Outwater—*Potato Digger.*



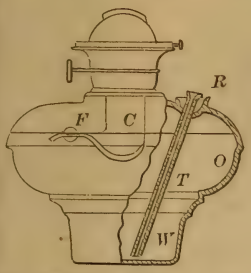
67069—Platt & Gray—*Washing Machine.*



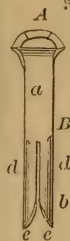
67065—W. H. Morris—*Cartridge Box.*



67070—W. Porter—*Lamp.*

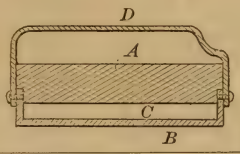


67071—L. Postawka—*Railroad Spike.*

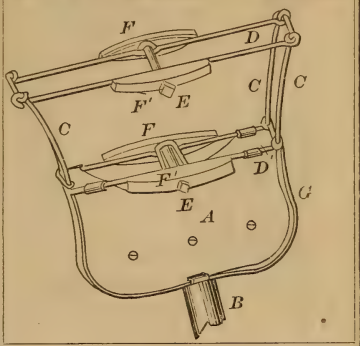


67073—A. Reed—*Loth Frame.*

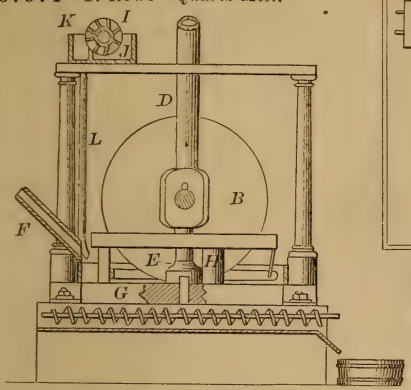
67072—D. H. Priest—*Sad Iron.*



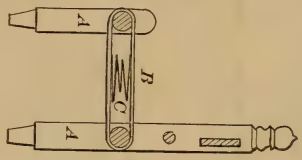
67075—J. A. Sinclair—*Broom Head.*



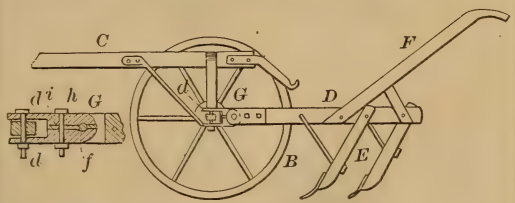
67074—T. Rowe—*Quartz Mill.*



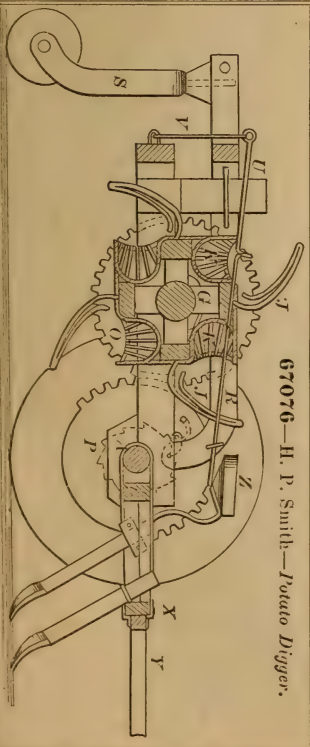
67077—L. A. Smith—*Chair Seat.*



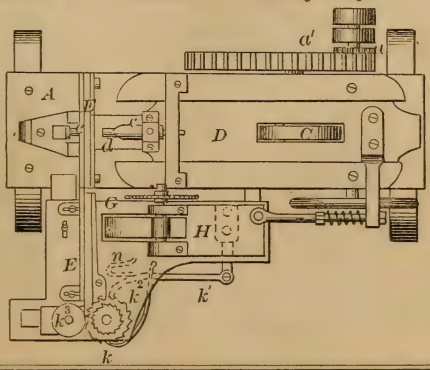
67078—W. E. Smith—*Cultivator.*



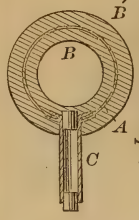
67076—H. P. Smith—*Potato Digger.*



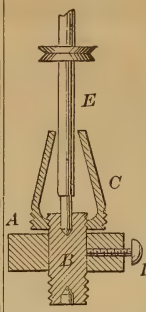
67079—W. L. Standish—*For Cutting Bungs.*



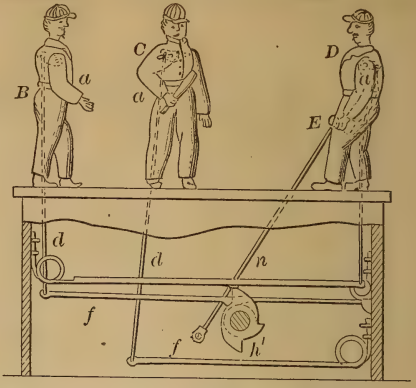
67080—N. Stephens—*Tap for Cement Lined Pipe.*



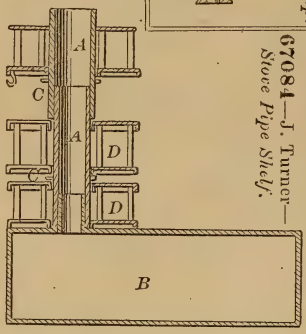
67081—F. A. Sterry—*Spindle Step.*

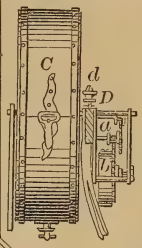


67083—I. P. Tice—*Toy Ball Player.*

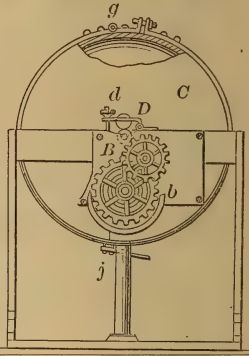


67084—J. Turner—*Stove Pipe Shelf.*

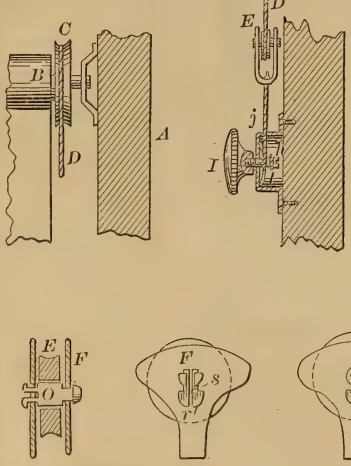


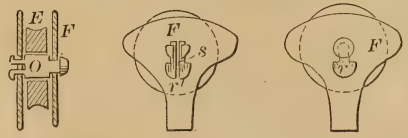


67085—Vogt & Krapf—*Churn.*

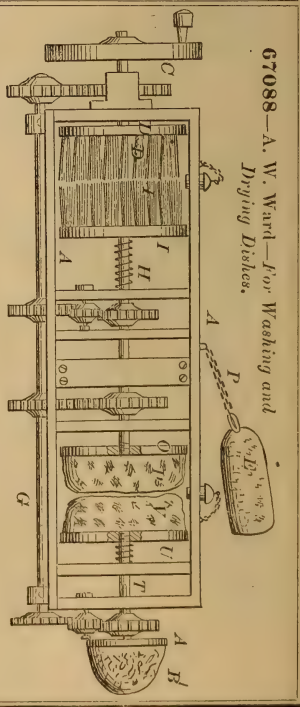


67086—H. Voigt—*Curtain Fixture.*

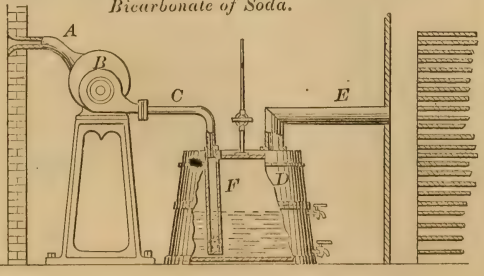




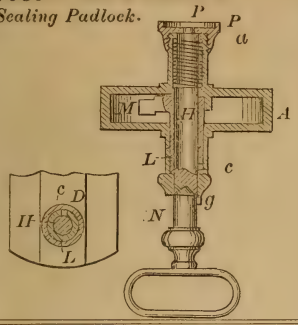
67088—A. W. Ward—*For Washing and Drying Dishes.*



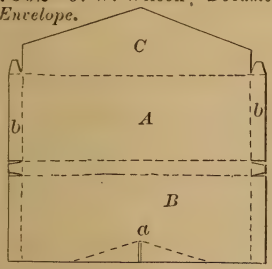
67087—A. P. Von Pornhoff—*Manufacture of Bicarbonate of Soda.*



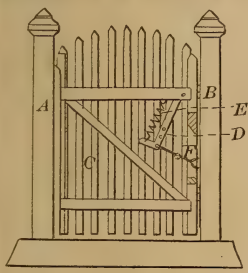
67089—Webb & Hermann—*Sealing Padlock.*



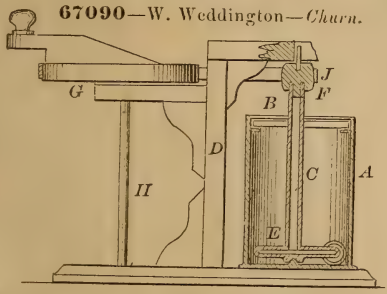
67092—J. W. Wilcox—*Document Envelope.*



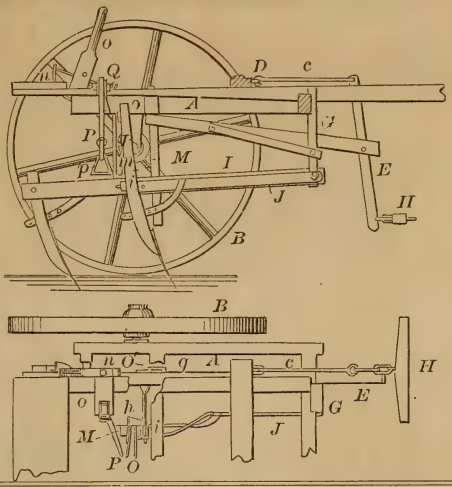
67094—E. R. Wolfe—*Gate.*



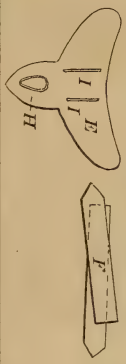
67090—W. Weddington—*Churn.*



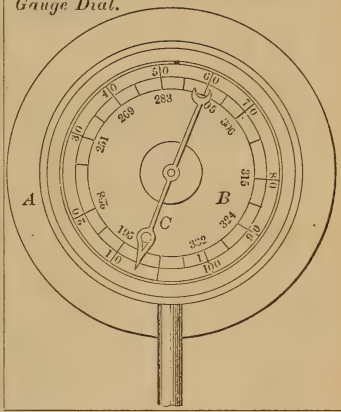
67093—J. Wilson—*Cultivator.*



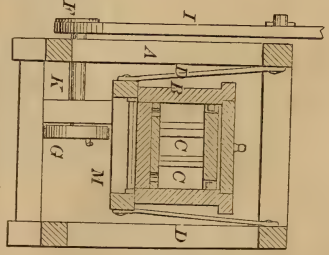
67091—H. Whitney—*Paper Necktie.*



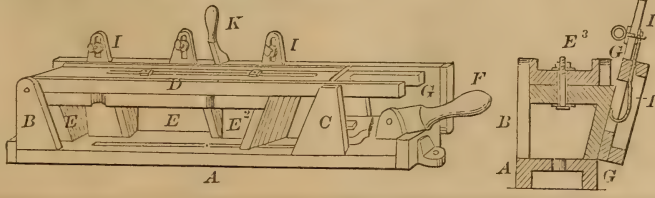
67096—E. H. Ashcroft—*Steam Gauge Dial.*



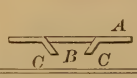
67095—R. S. Arnall—*Churn.*



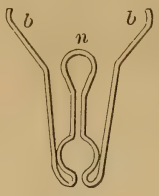
67097—R. H. Birt—*Tinners' Folding Machine.*



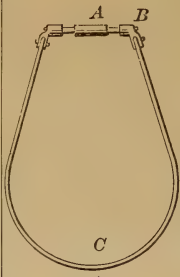
67098—E. B. Bishop—*Cotton Tie.*



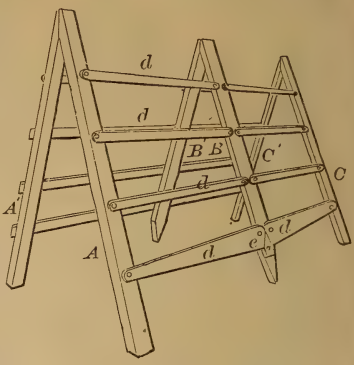
67100—A. W. Brinkerhoff—*Clothes Pin.*



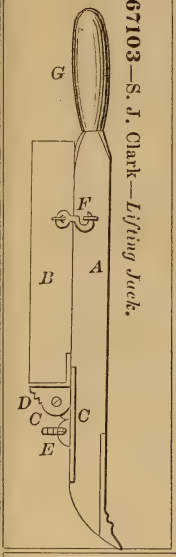
67101—C. L. Browne—*Jumping Hoop.*



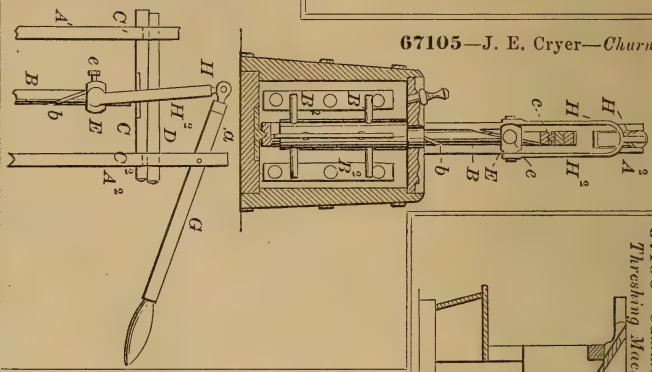
67102—L. S. Calkins—*Clothes Dryer.*



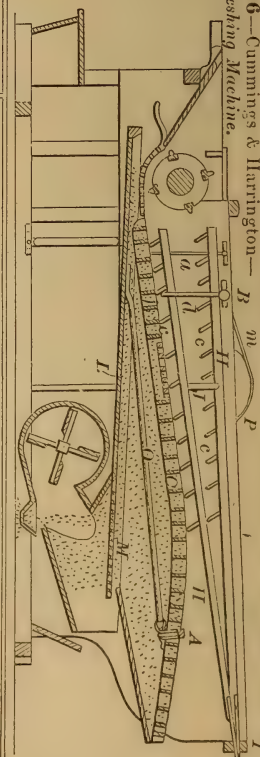
67103—S. J. Clark—*Lifting Jack.*



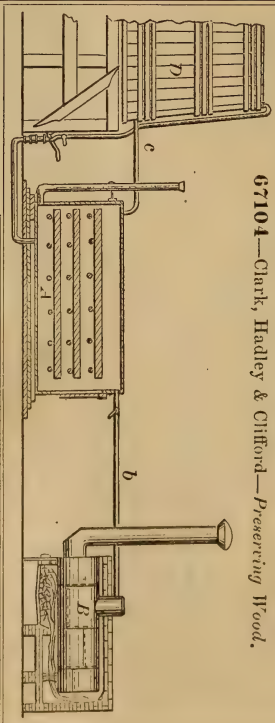
67105—J. E. Cryer—*Churn.*



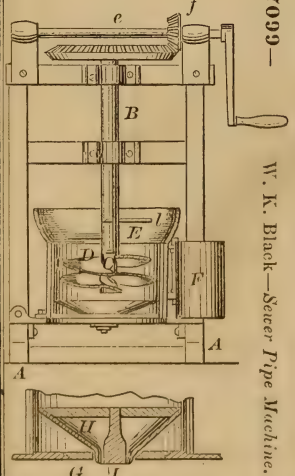
67106—Cummings & Harrington—*Threshing Machine.*



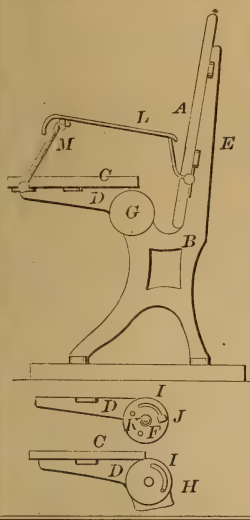
67104—Clark, Hadley & Clifford—*Preserving Wood.*



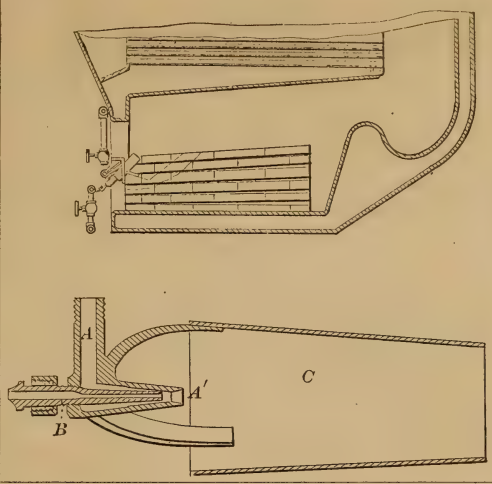
67099—W. K. Black—*Sewer Pipe Machine.*



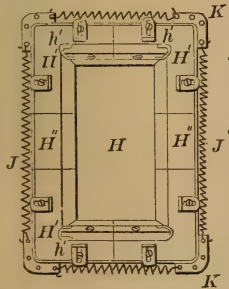
67107—E. J. Dibble—*Folding Seat and Arm.*



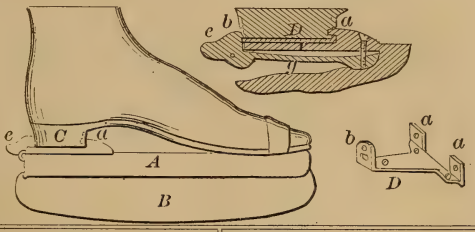
67108—C. Fisher—*Burning Hydro-Carbon Liquids.*



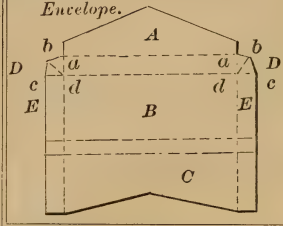
67109—Goodin, Blair & Lyda—*For Manufacturing Sheet Metal Pans.*



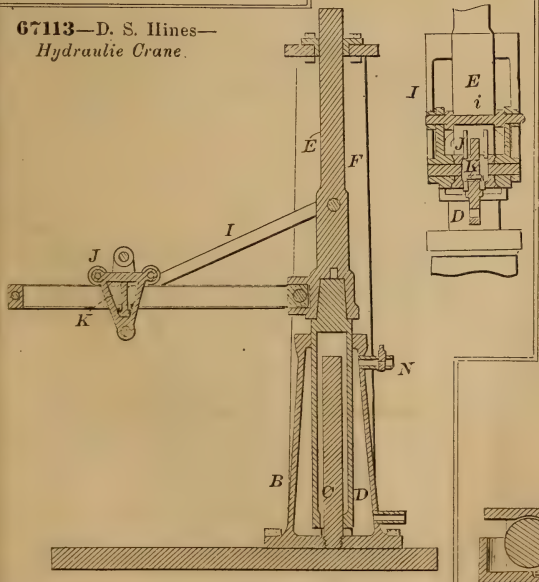
67110—G. Gunderson—*Skate Fastening.*



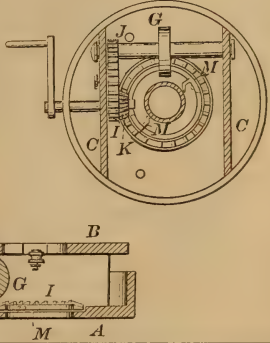
67111—W. E. Haskins—*Envelope.*



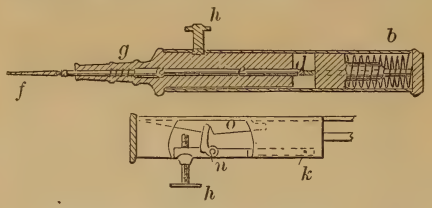
67113—D. S. Hines—*Hydraulic Crane.*



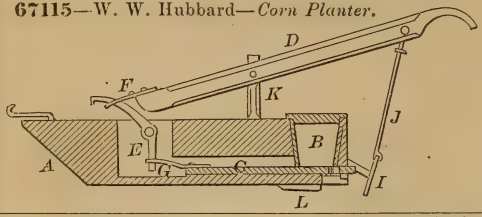
67112—W. P. Heffron—*Boiler Tube Cleaner.*



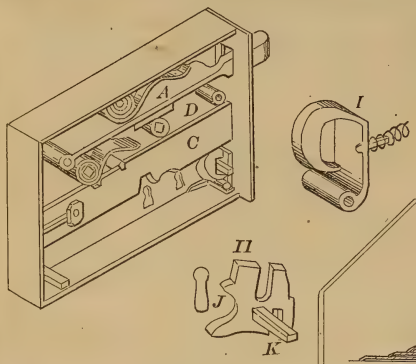
67114—Hodge & Noyes—*Automatic Dentel Mallet.*



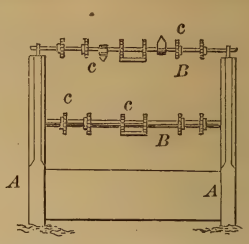
67115—W. W. Hubbard—*Corn Planter.*



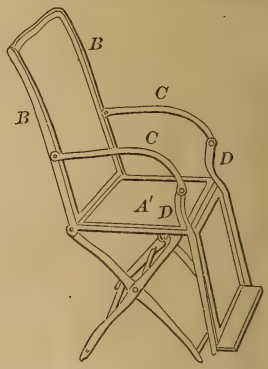
67116—G. Hubert—*Compound Lock for Doors.*



67117—W. D. Hunt—*Fence.*

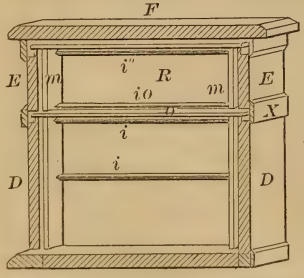


67119—J. Hyde—*Folding Chair.*

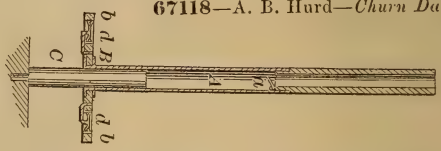


67120—G. Jedamski—*Pen Rack.*

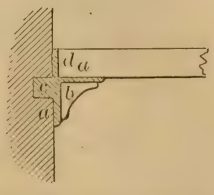
67123—E. Kretchmer—*Beehive.*



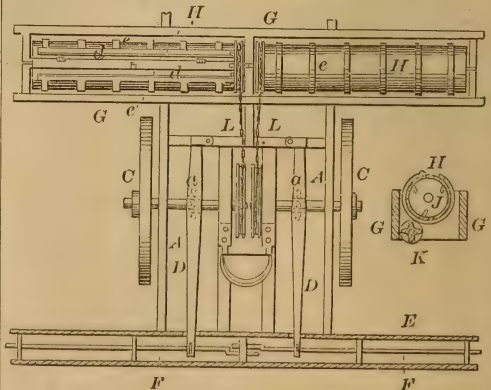
67118—A. B. Hurd—*Churn Dasher.*



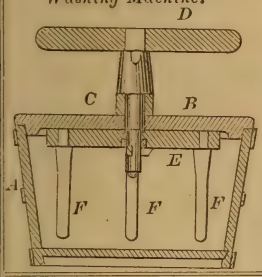
67124—C. F. Kuhnle—*Shelf Bracket.*



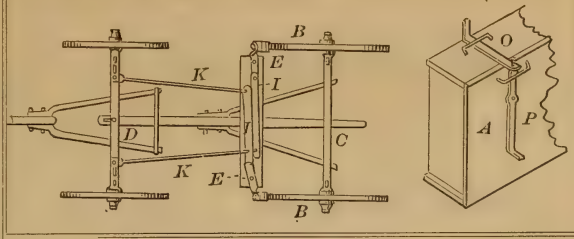
67122—H. M. Keith—*Fertilizer and Seed Sower.*



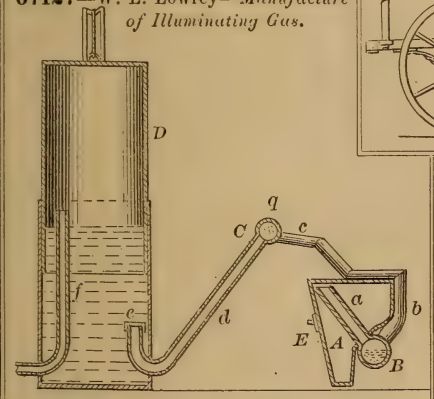
67125—J. Lamb—*Washing Machine.*



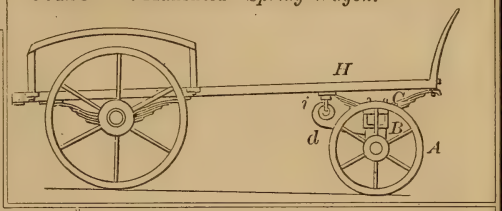
67126—G. Long—*Wagon Brake.*



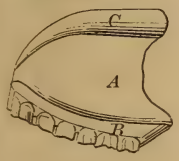
67127—W. L. Lowrey—*Manufacture of Illuminating Gas.*



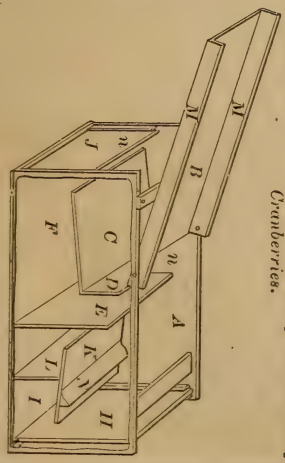
67128—W. Mansfield—*Spring Wagon.*



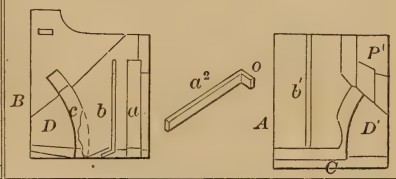
67129—E. J. Merick—*Dental Plate.*



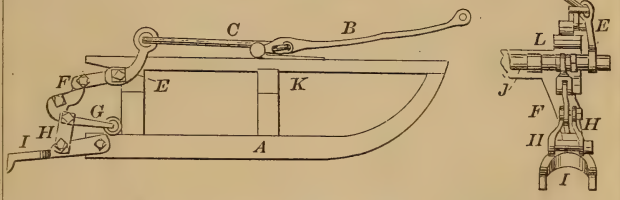
67130—G. L. Morrill—*For Cleaning and Assorting Cranberries.*



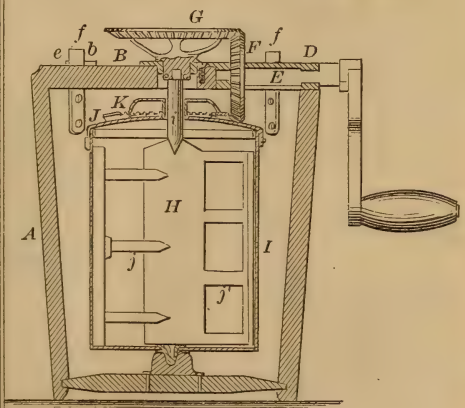
67131—G. Moore—*Die for Making Plow Braces.*



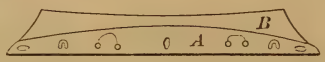
67132—J. Myers—*Sleigh Brake.*



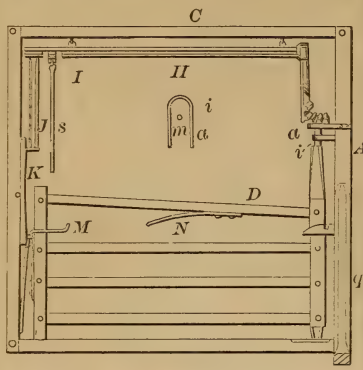
67133—C. W. Packer—*Ice Cream Freezer.*



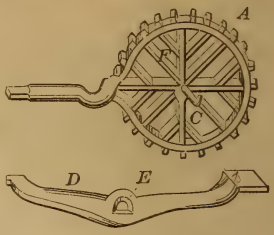
67134—J. H. Parmelee—*Collar.*



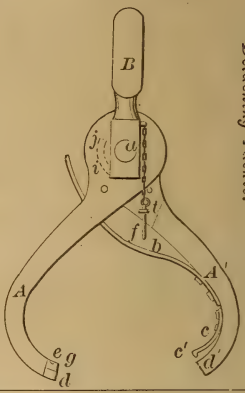
67135—E. Petteys—*Gate.*



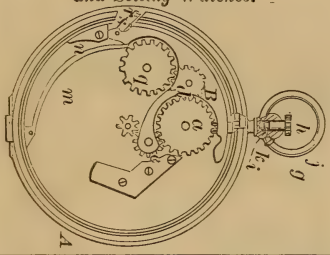
67136—N. Pramer—*Grate.*



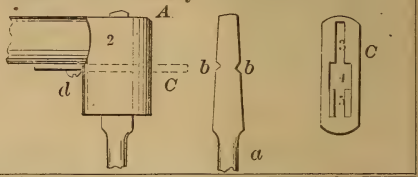
67137—T. M. & T. J. Raser—*Boat Detaching Tackle.*



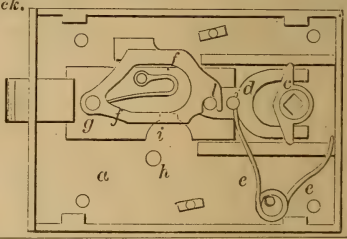
67138—H. Rothfelder—*For Winding and Setting Watches.*



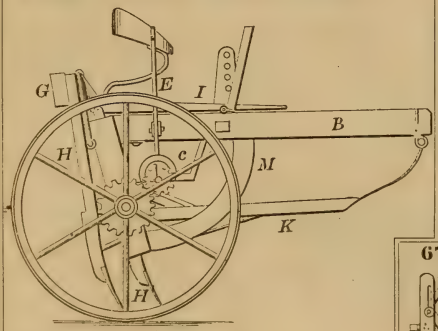
67139—W. F. Seavey—*Bit Brace.*

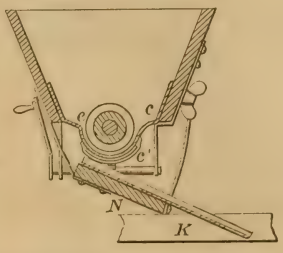


67140—B. Seegmuller—*Knob Latch and Lock.*



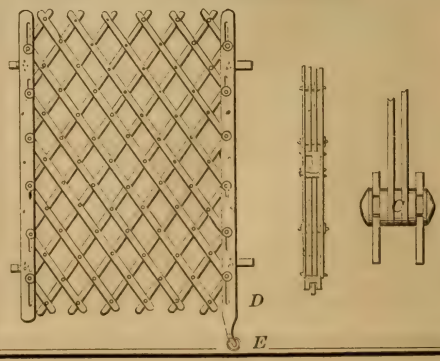
67141—J. Slauder—*Broadcast Seeder.*



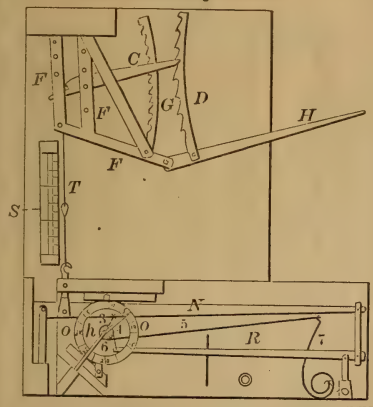


67142—A. L. Smith—*Coupling Reach for Bob Sleighs.*

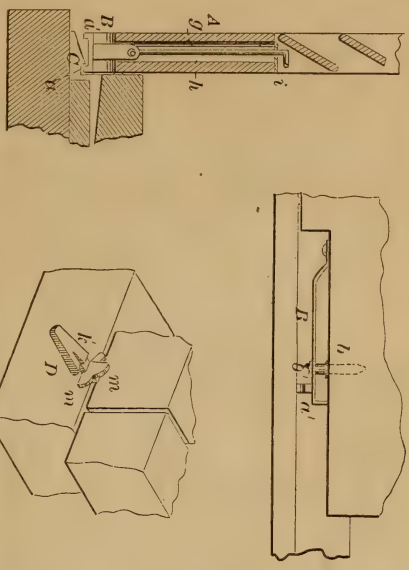
67143—C. S. Snead—*Extension Gate.*



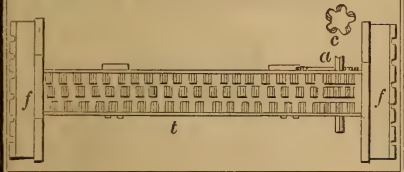
67144—H. T. Stanard—*For Applying and Measuring Forces.*



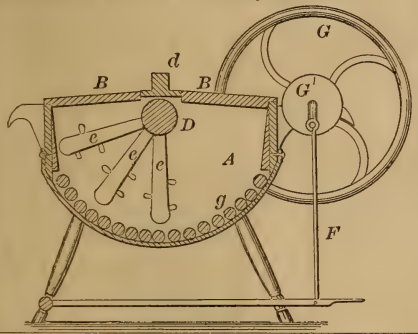
67146—T. Stover—*Window Blind Fastening.*



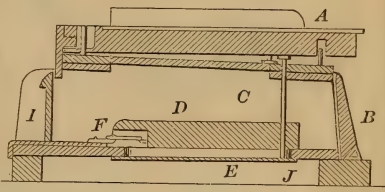
67147—E. Stuart—*Cotton Press.*



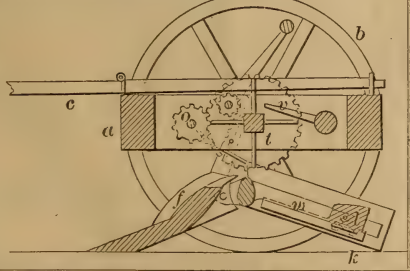
67149—R. B. Will—*Washing Machine.*



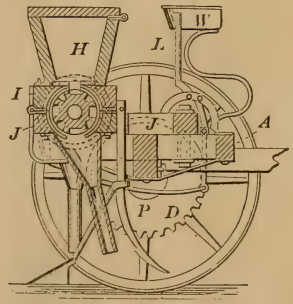
67150—G. Wood—*Melodeon.*



67148—J. M. Wilcox—*Potato Digger.*

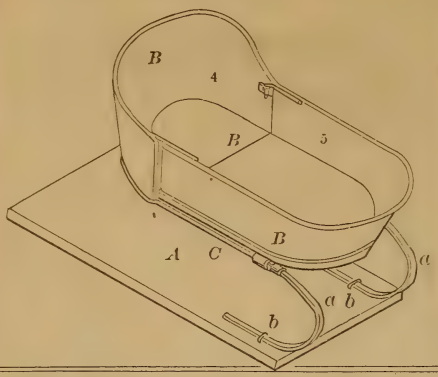


67152—H. Zurbrick—*Cultivator and Seed Sower.*

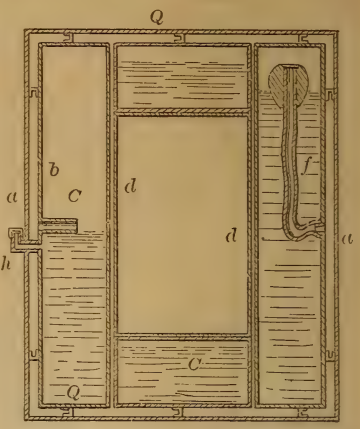


67151—D. W. Wright—*Rule for Calculating Time and Measures.*

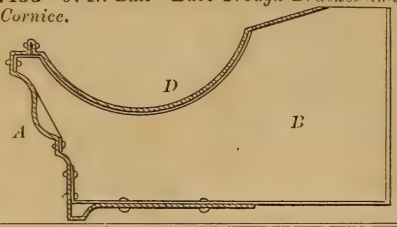
67153—R. Ashe—*Baby Jumper and Cradle.*



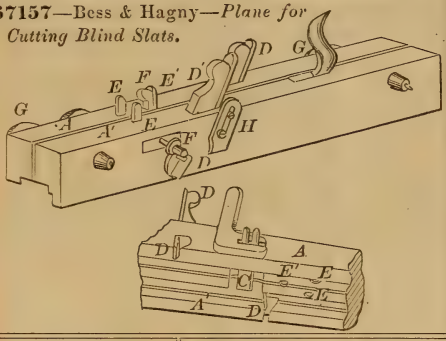
67154—H. H. Bryant—*Fireproof Safe.*



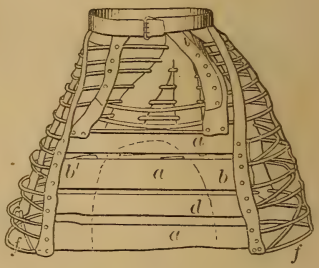
67155—J. N. Ball—*Eave Trough Bracket and Cornice.*



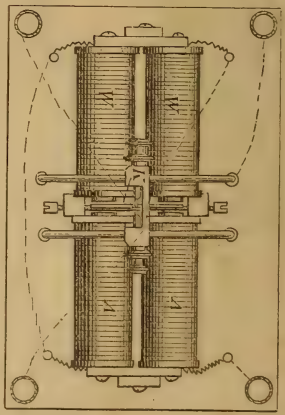
67157—Bess & Hagny—*Plane for Cutting Blind Slats.*



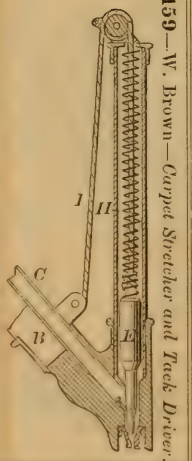
67158—F. A. Brewster—*Hoop Skirt.*



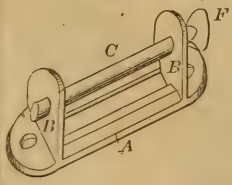
67160—W. G. Brownson—*Relay Magnet.*



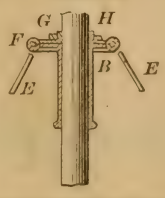
67159—W. Brown—*Carpet Stretcher and Tack Driver.*



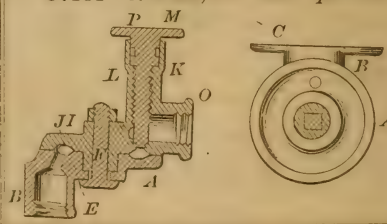
67156—S. A. Barr—*Clothes Line Fastening.*



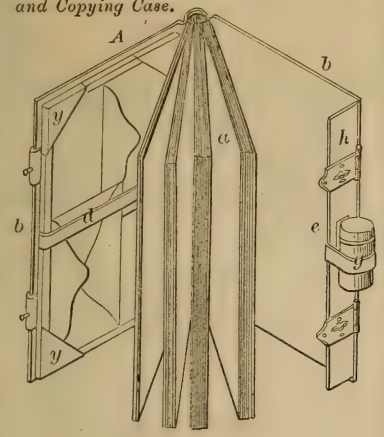
67162—C. O. Buell—*Umbrella.*



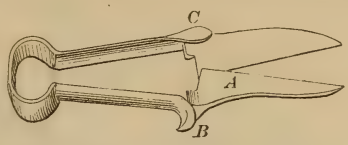
67161—C. Bruso, Jr.—*Gas Pipe Joint.*



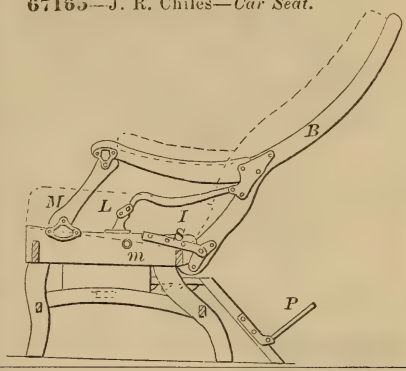
67163—A. G. Buzby—*Portable Writing and Copying Case.*



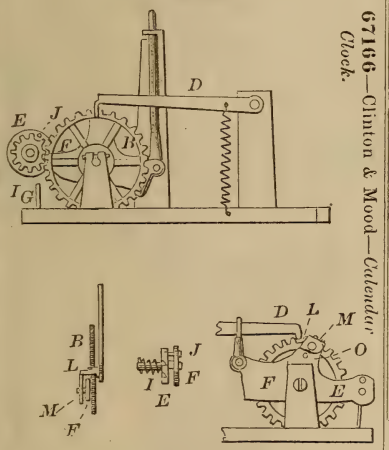
67164—G. W. Carpenter—*Sheep Shears.*



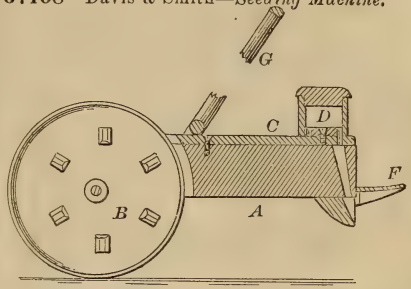
67165—J. R. Chiles—*Car Seat.*



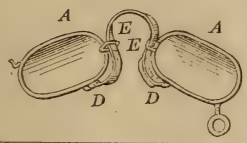
67166—Clinton & Mood—*Calendar Clock.*



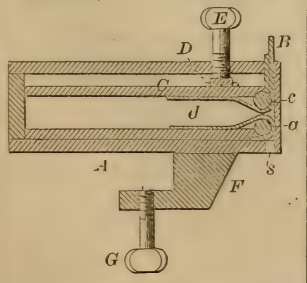
67168—Davis & Smith—*Seeding Machine.*



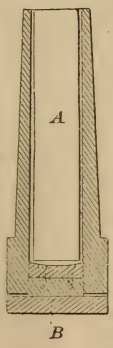
67167—G. N. Cummings—*Eye Glass.*



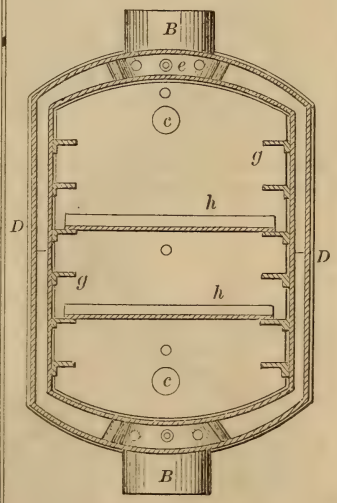
67169—C. F. Dean—*Knife Cleaner.*



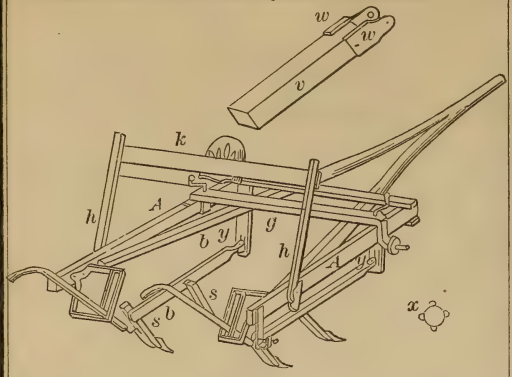
67171—H. Dickinson—*Mould for Casting Ingots.*



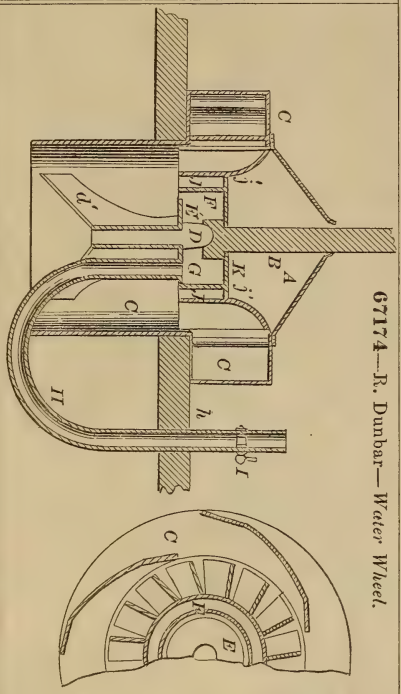
67172—G. Diffenderfer—*Portable Oven for Drying Fruit.*



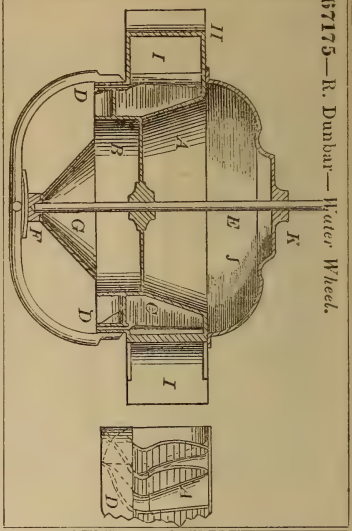
67173—W. A. & C. E. Dryden—*Cultivator.*



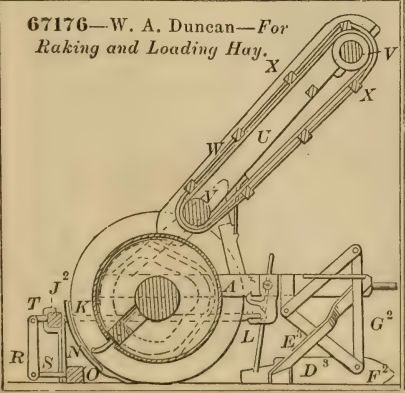
67174—R. Dunbar—*Water Wheel.*



67175—R. Dunbar—*Water Wheel.*

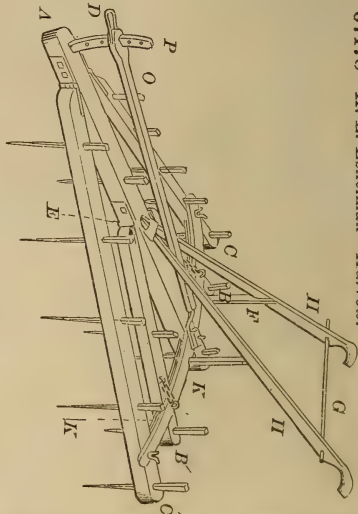


67176—W. A. Duncan—*For Raking and Loading Hay.*

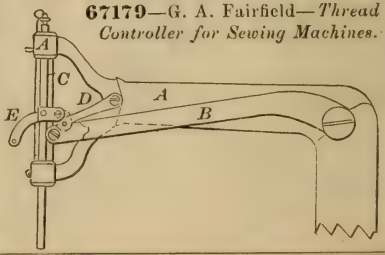


67177—H. V. Edmond—*For Exhibiting Hymns*

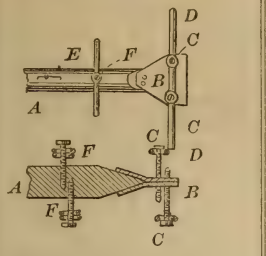
67178—H. L. Eshelman—*Harrow.*



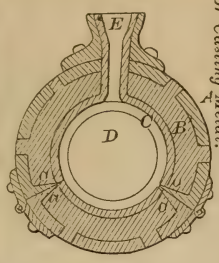
67179—G. A. Fairfield—*Thread Controller for Sewing Machines.*



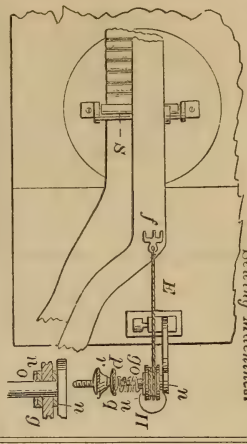
67180—D. P. Farnham—*Broom Head.*



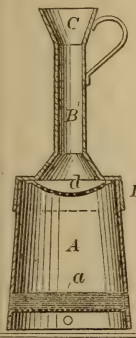
67181—Farrar & Groves—*Mould for Casting Metal.*



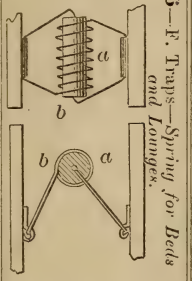
67183—M. T. Fitch—*Ruffling Attachment for Sewing Machines.*



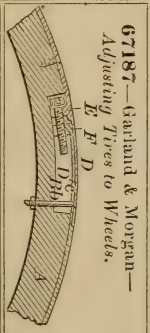
67185—C. Forbes—*Coffee Generator.*



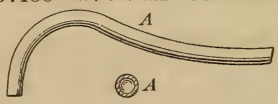
67186—F. Trapp—*Spring for Beds and Lounges.*



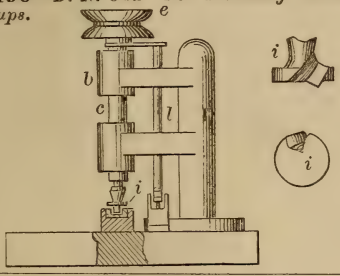
67187—Garland & Morgan—*Adjusting Tires to Wheels.*



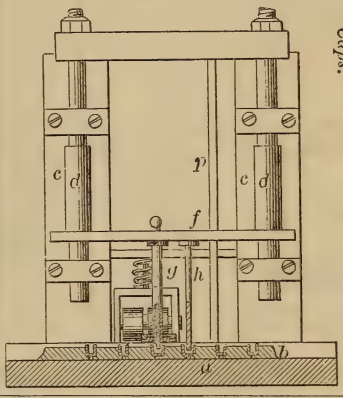
67188—W. Gilman—*Plow Beam.*



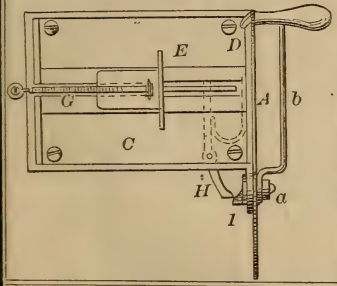
67190—D. N. Goff—*For Trimming Percussion Caps.*



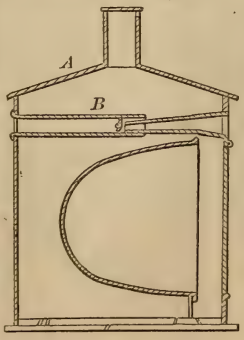
67189—D. N. Goff—*For Lining Percussion Caps.*



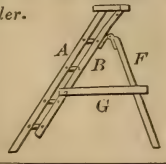
67191—W. S. Gray—*Bread Cutter.*



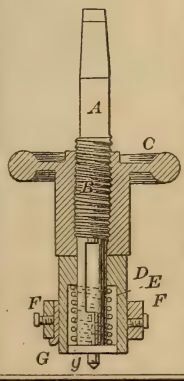
67192—E. L. Hall—*Locomotive Head Light.*



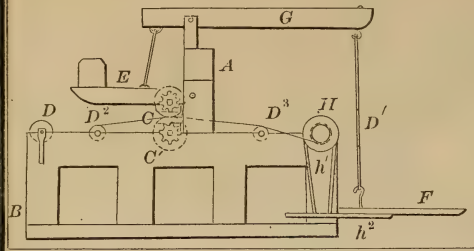
67193—D. B. Hedden—*Step Ladder.*



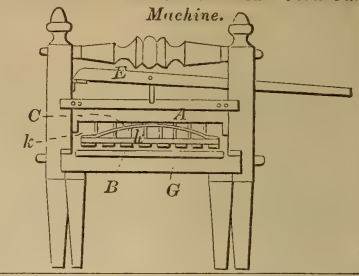
67194—W. H. Henshall—*Tube Hole Cutter.*



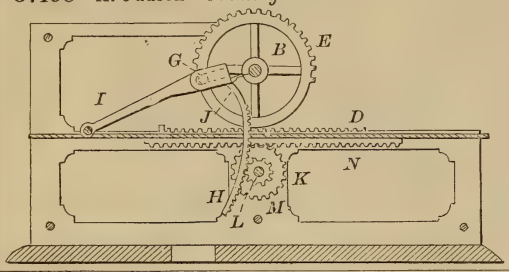
67195—Herrick & Gilbert—*For Preparing Floor Oil Cloth.*

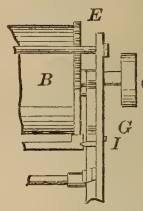


67202—H. & C. Littlefield—*Corn Cake Machine.*

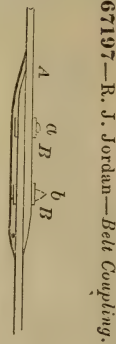


67198—A. Judson—*Printing Press.*

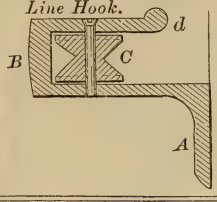




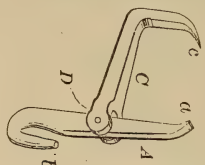
67197—R. J. Jordan—*Belt Coupling.*



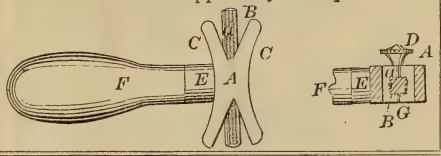
67196—J. L. Howard—*Clothes Line Hook.*



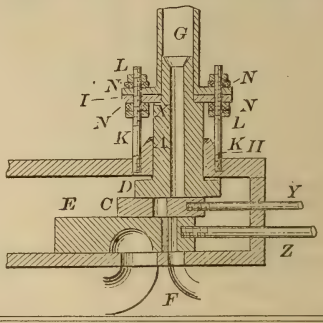
67199—C. S. Kershaw—*Suspending Claw for Horse Hay Forks.*



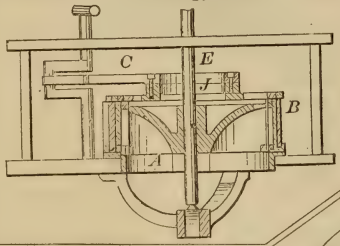
67200—T. K. Knapp—*Knife Sharpener.*



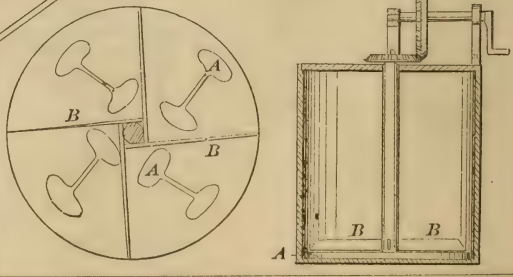
67204—P. C. McManus—*Slide Valve.*



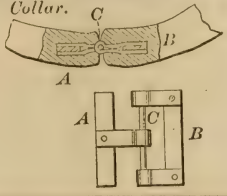
67203—W. C. McGargy—*Water Wheel.*



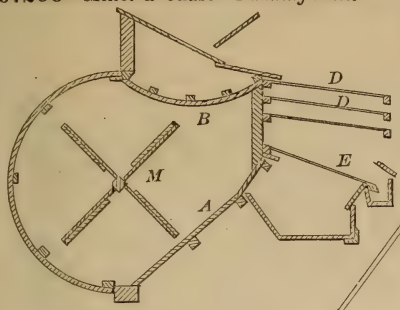
67205—F. McFarnahan—*Churn Dasher.*



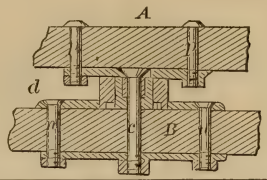
67201—D. Lincoln—*Horse Collar.*



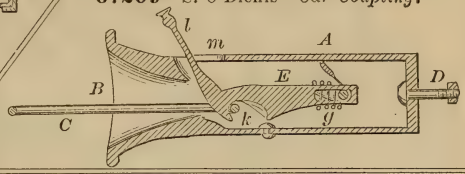
67206—Miller & Chase—*Fanning Mill.*



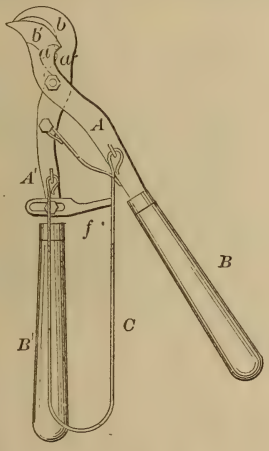
67208—F. B. Morse—*Whiffletree Coupler.*



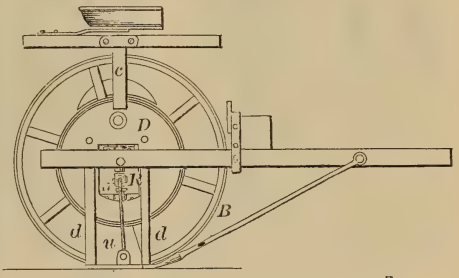
67209—S. O Blems—*Car Coupling.*

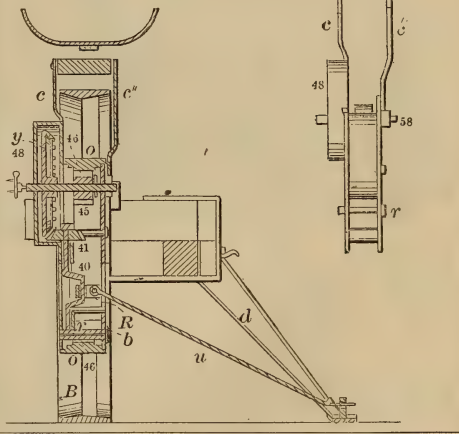


67207—J. O. Minor—*Hedge Shears.*

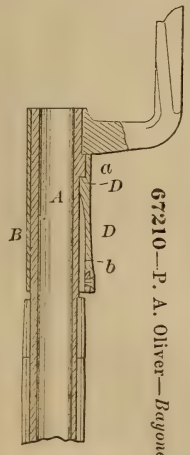


67211—H. Pease—*Harvester.*

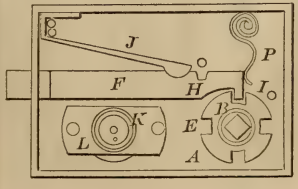




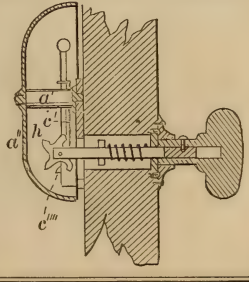
67210—P. A. Oliver—*Bayonet Attachment.*



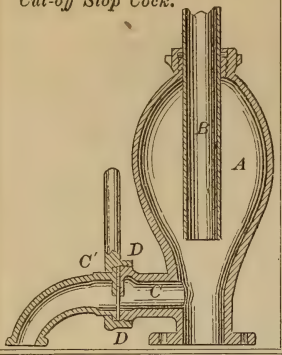
67213—N. Petre—*Lock Latch.*



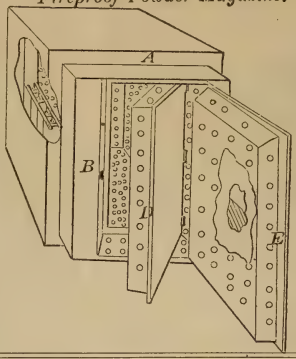
67212—C. Penfield—*Door Bell.*



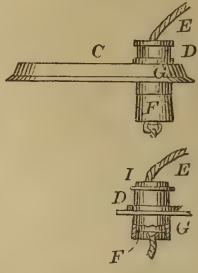
67214—W. H. Pollard—*Cut-off Stop Cock.*



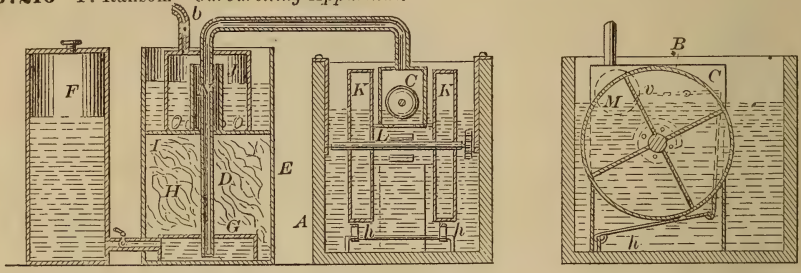
67220—R. S. Sanborn—*Fireproof Powder Magazine.*



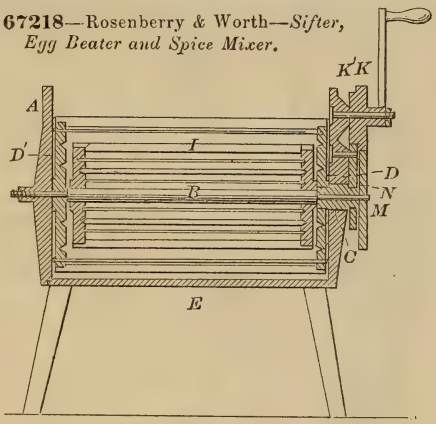
67215—E. Purdy—*For Sealing Fruit Jars.*



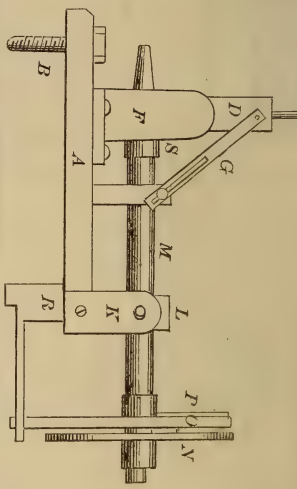
67216—F. Ransom—*Carburetting Apparatus.*

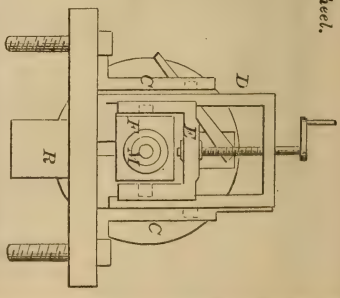


67218—Rosenberry & Worth—*Sifter, Egg Beater and Spice Mixer.*

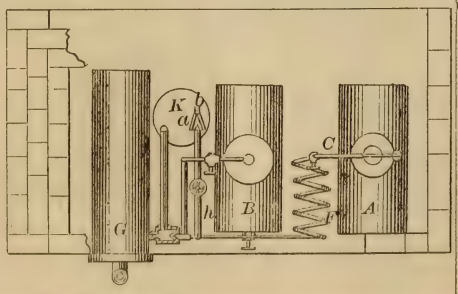


67219—T. B. Russell—*Gear Cutting Wheel.*

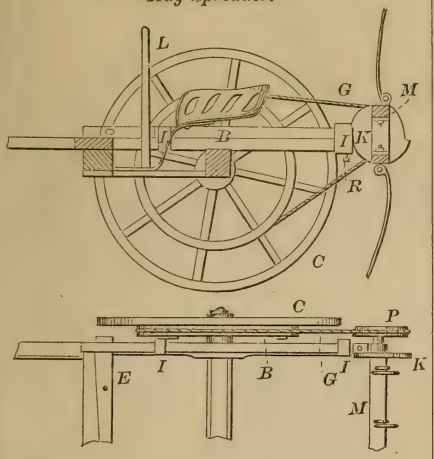




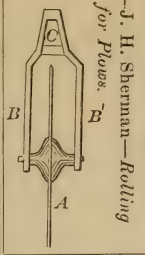
67217—J. T. Rich—*Manufacture of Gas.*



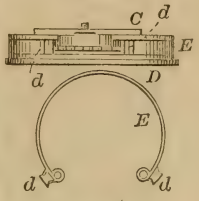
67221—Seymour & Taylor—*Horse Rake and Hay Spreader.*



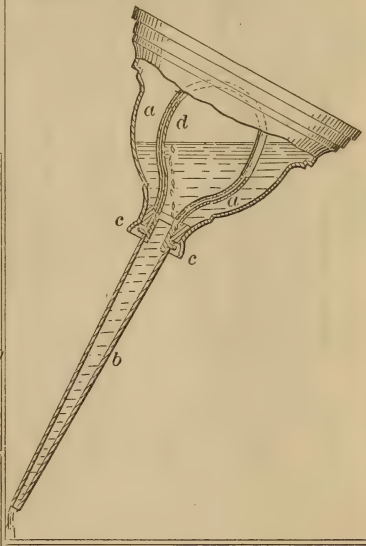
67222—J. H. Sherman—*Rolling Cutter for Plows.*



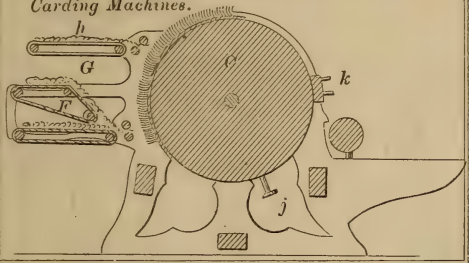
67223—O. F. Stedman—*Watch.*



67225—F. Stone—*Oiler.*

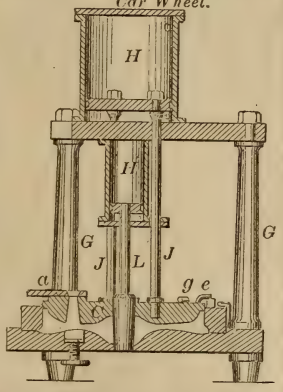


67226—D. Tainter—*Feeding Apparatus for Carding Machines.*

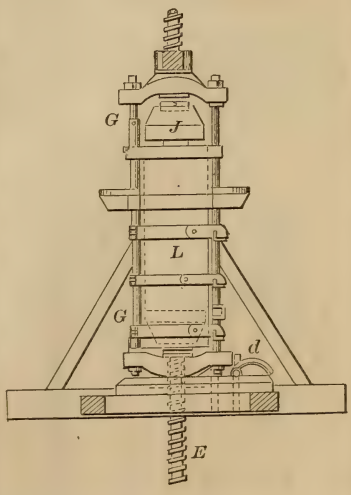


67224—O. F. Stedman—*Watch Case.*

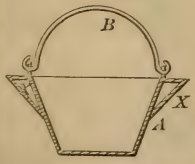
67227—J. B. Tarr—*Cast Steel Car Wheel.*



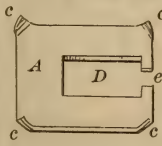
67230—D. R. Torbet—*Cotton Press.*



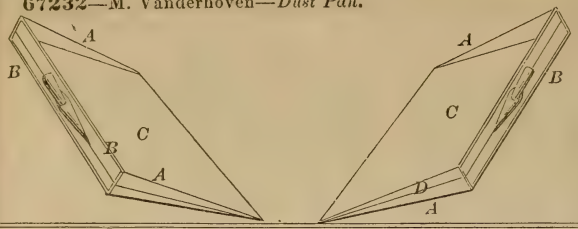
67228—W. Templeton—*Milk Pan.*



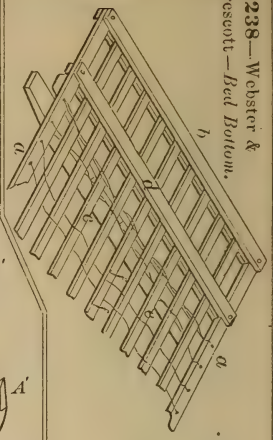
67231—C Ulmer—*Cotton Bale Tie.*



67232—M. Vanderhoven—*Dust Pan.*



67238—Webster & Prescott—*Bed Bottom.*



67237—T. Weaver—*Whip Socket.*

Fig. 1

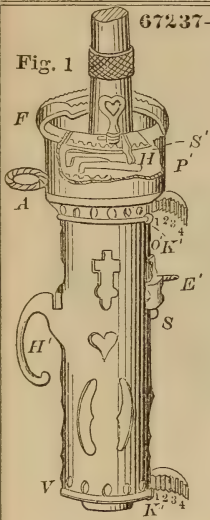


Fig. 3

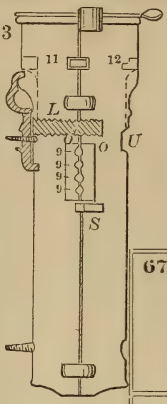


Fig. 8

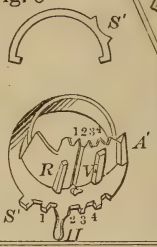


Fig. 4

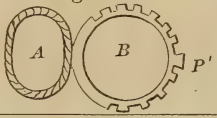
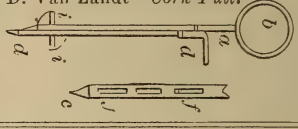
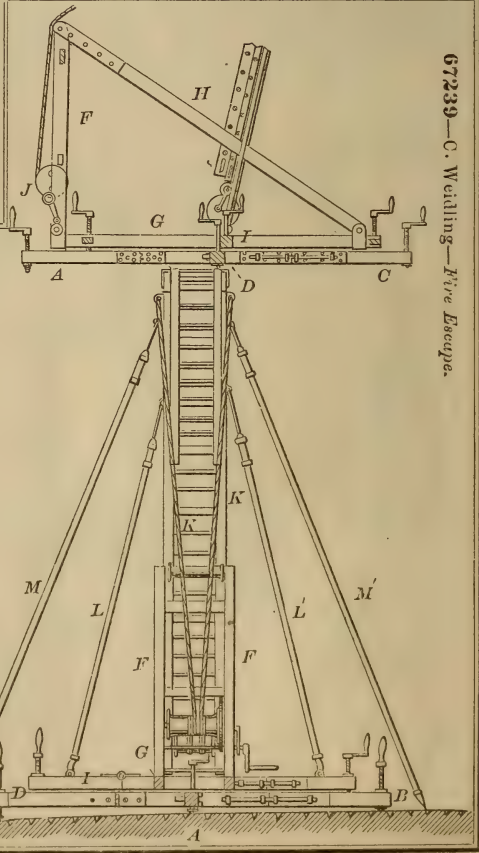


Fig. 5

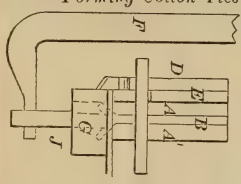
67234—J. D. Van Zandt—*Cork Pull.*



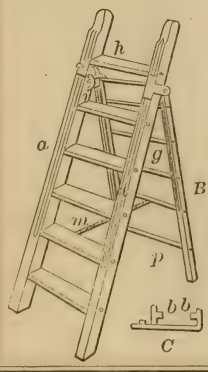
67239—C. Weidling—*Fire Escape.*



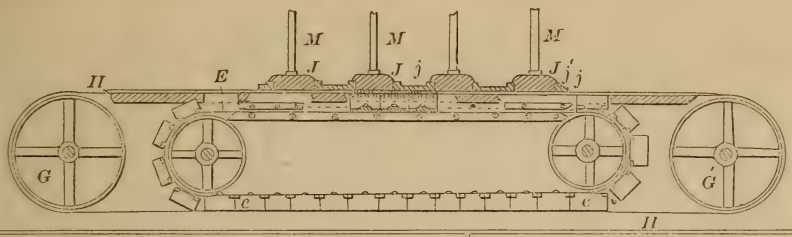
67236—C. W. Wailey—*Die for Forming Cotton Ties.*



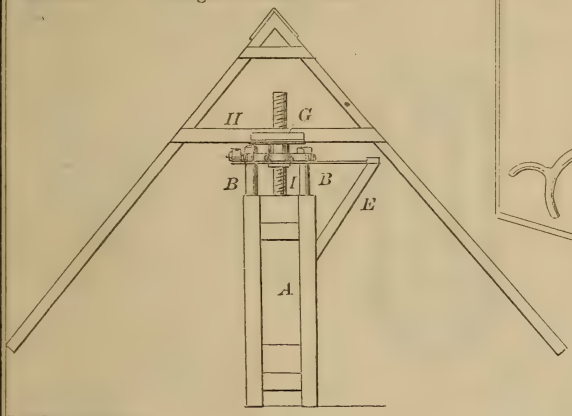
67235—T. Vogelmann—*Step Ladder.*



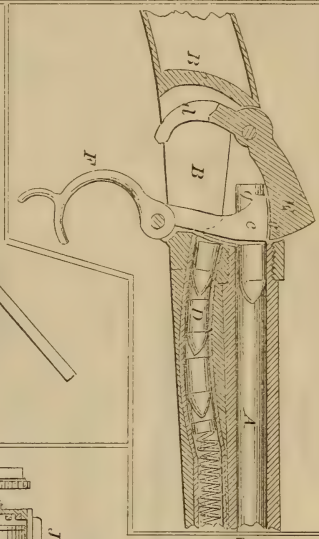
67240—E. Weissenborn—*For Polishing Wood.* *See fig. below.*



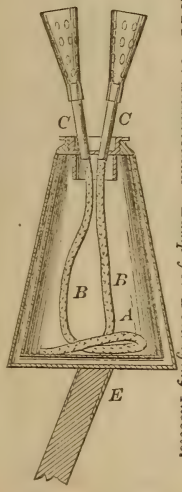
67243—Y F. Wright—*Cotton Press.*

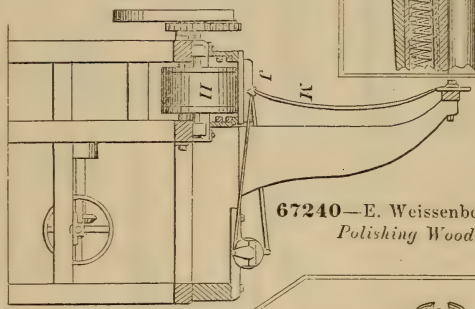


67242—J. A. Whitney—*Magazine Fire Arm.*



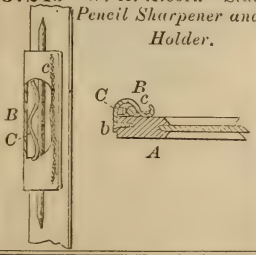
67244—J. Zimmerman—*Lamp for Destroying Insects.*



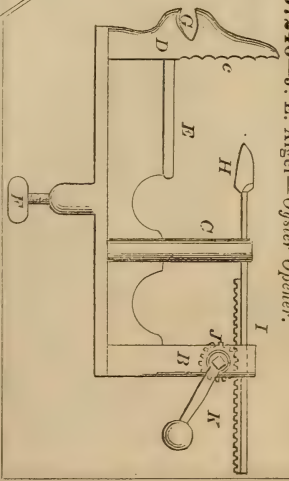


67240—E. Weissenborn—*For Polishing Wood.*

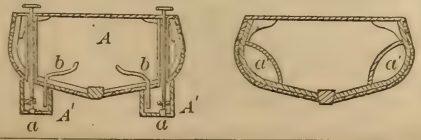
67245—W. H. Alcorn—*Slate Pencil Sharpener and Holder.*



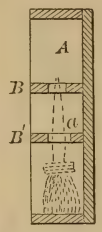
67246—J. E. Alger—*Oyster Opener.*



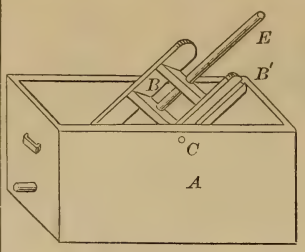
67241—N. F. Weston—*Construction of Vessels.*

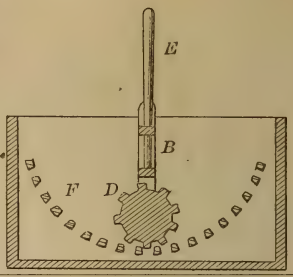


67247—Ames & Horton—*Brush Rack.*

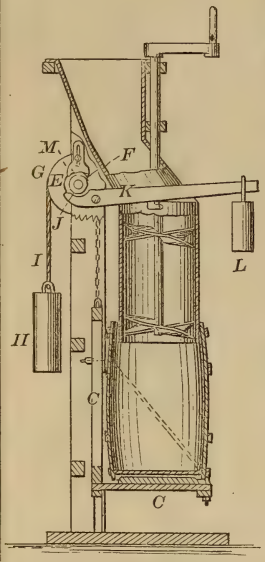


67248—C. L. Andrews—*Washing Machine.*

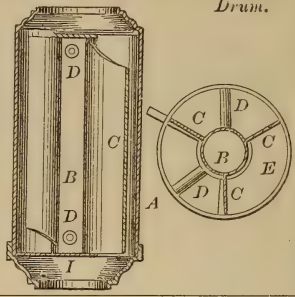




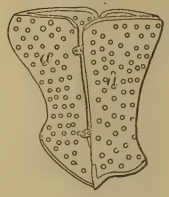
67249—H. A. Barnard—*For Packing Flour.*



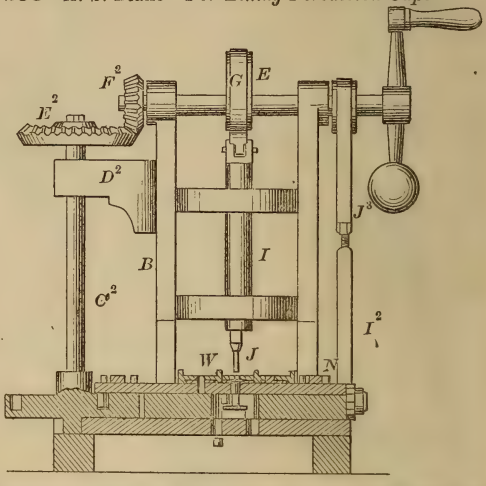
67251—J. F. Beckwith—*Stove Pipe Drum.*



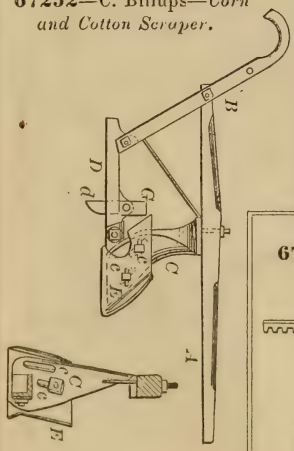
67250—Beal, Sawyer & Webster—*Paper Corset.*



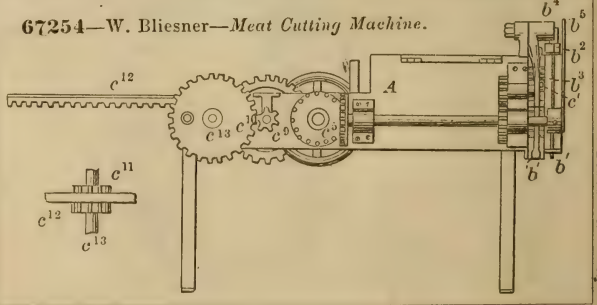
67253—A. S. Blake—*For Lining Percussion Caps.*



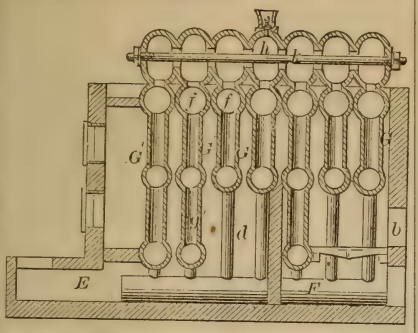
67252—C. Billups—*Corn and Cotton Scraper.*



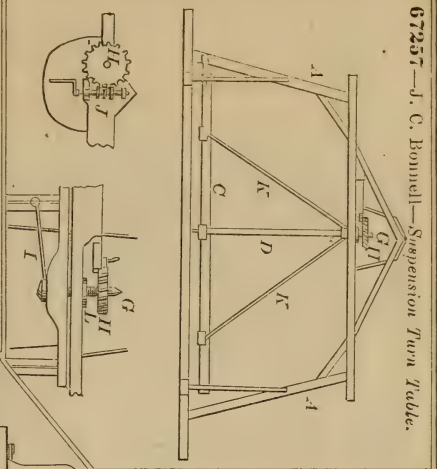
67254—W. Bliesner—*Meat Cutting Machine.*



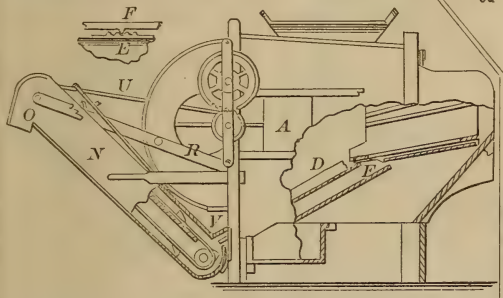
67255—C. T. Boardman—*Steam Generator.*



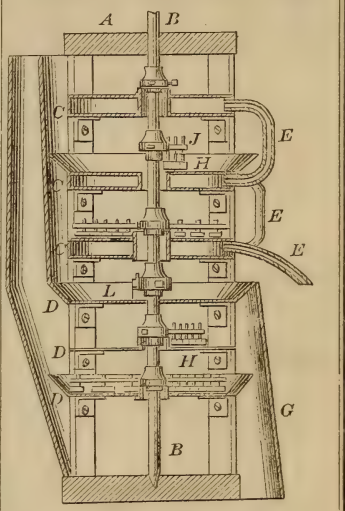
67257—J. C. Bonnell—*Suspension Turn Table.*



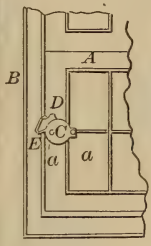
67260—J. J. Bradner—*Fanning Mill.*



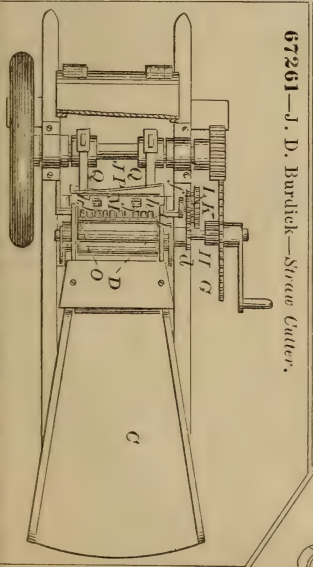
67256—H. Boden—*Grain Dryer.*



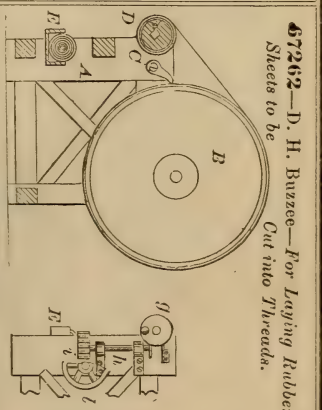
67258—J. C. Bonnell—*Sash Support and Fastener.*



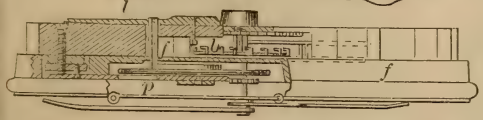
67261—J. D. Burdick—*Straw Cutter.*



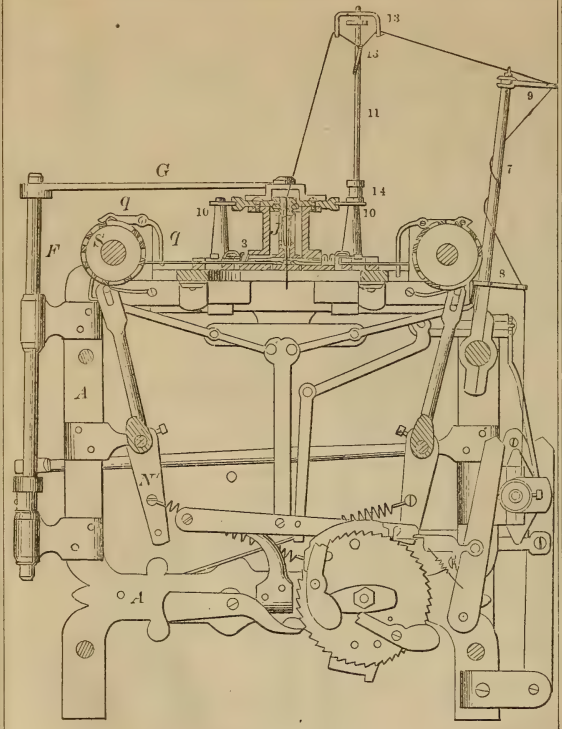
67262—D. H. Buzzee—*For Laying Rubber Sheets to be Cut into Threads.*



67259—F. B. Bouscatié—*Watch.*

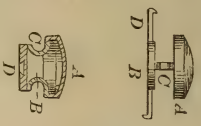


67263—A. C. Carey—*Knitting Machine.*

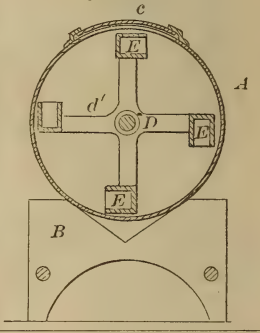


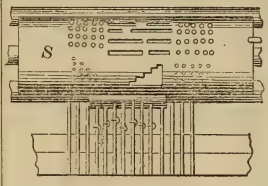
67264—A. C. Carey—*Machine Knitted Stocking.*

67267—V. Charlet—*Button.*

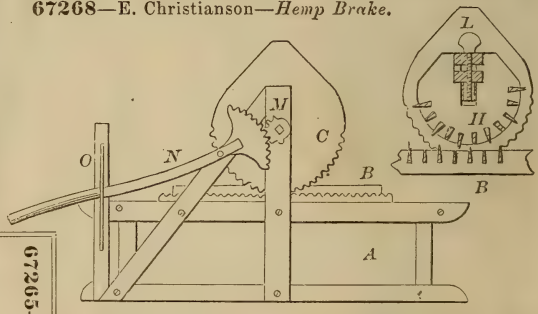


67266—C. J. Chalfant—*Churn.*

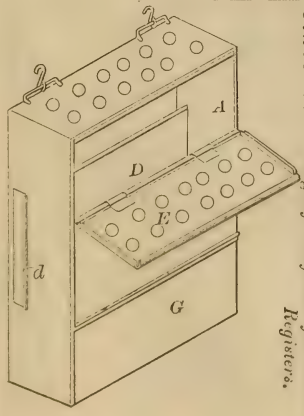




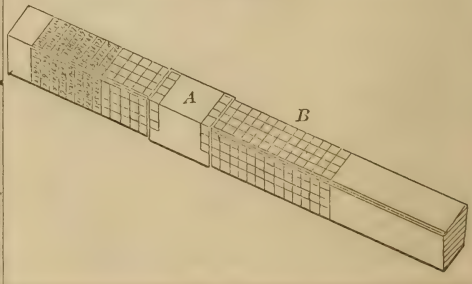
67268—E. Christianson—*Hemp Brake.*



67265—S. H. Caughey—*Deflector for Hot Air Registers.*



67269—F. J. Coffin—*Slide for Rules, Scales and Tables.*



67270—I. A. Coons—*Clothes Dryer.*

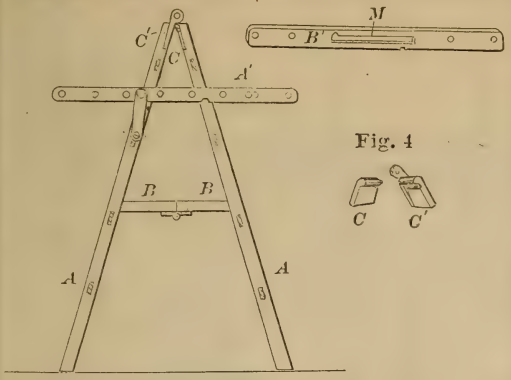
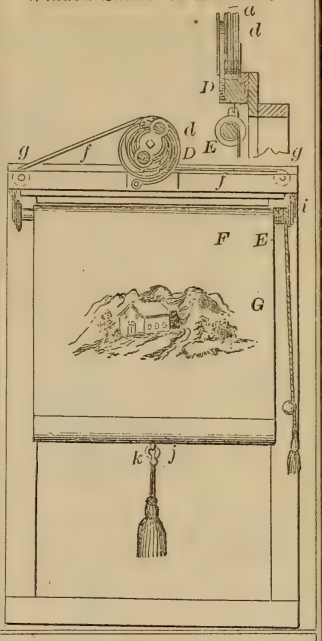
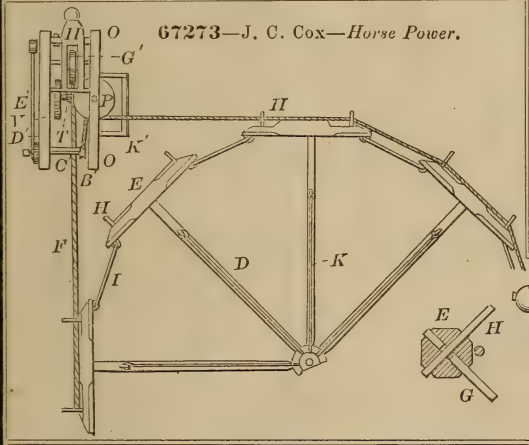


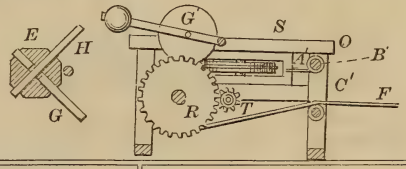
Fig. 1

67272—Cox & Hill—*Applying Window Shades to Windows.*

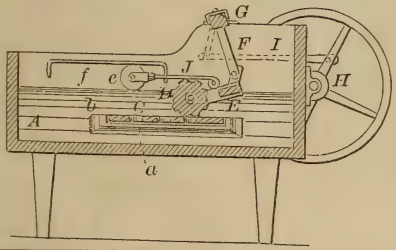


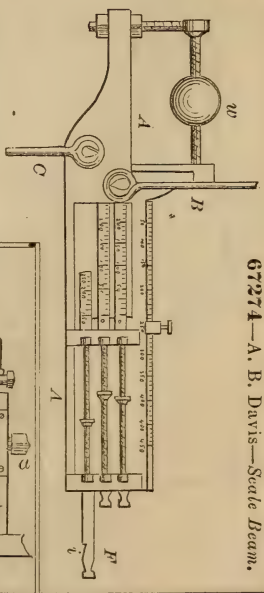
67273—J. C. Cox—*Horse Power.*





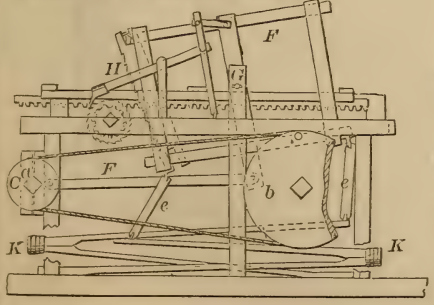
67271—Coville & Kecler—*Washing Machine.*

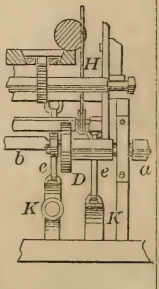




67274—A. B. Davis—*Scale Beam.*

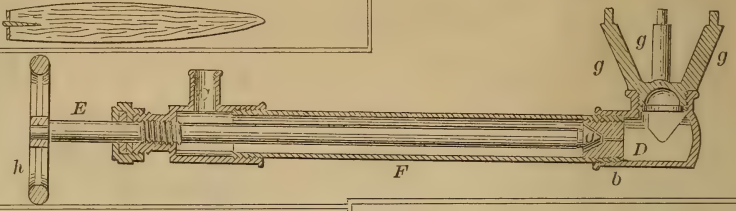
67275—J. C. Delavigne—*Saw Mill.*



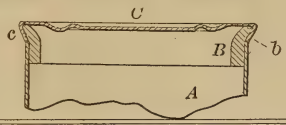


67276—W. B. Doudes—*For Lighting Cigars.*

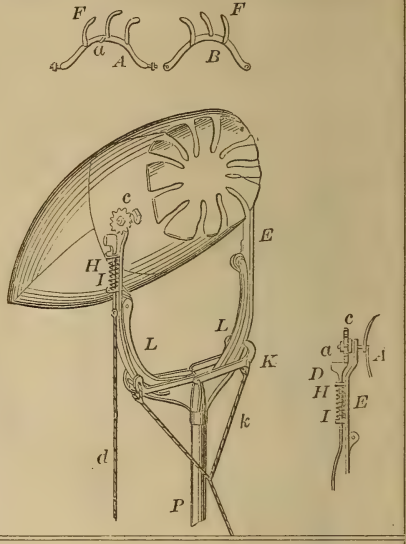
67277—C. W. Duncan—*Vapor Burner for Heating.*



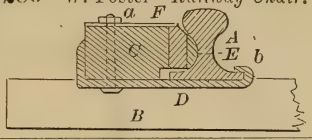
67278—H. Everett—*Paint Can.*



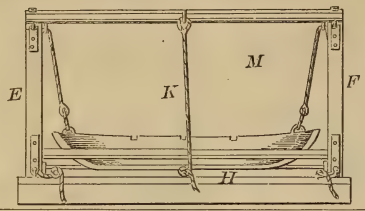
67279—L. Fleckenstine—*Fruit Gatherer.*



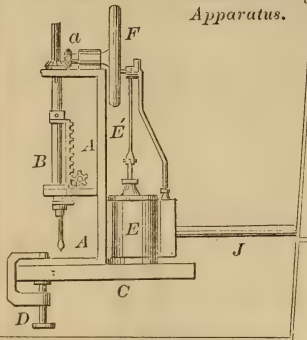
67280—W. Foster—*Railway Chair.*

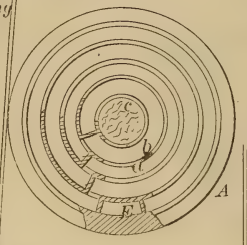


67282—L. F. Frazee—*Ship's Davit.*

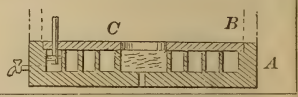


67284—A. J. Fullam—*Drilling Apparatus.*

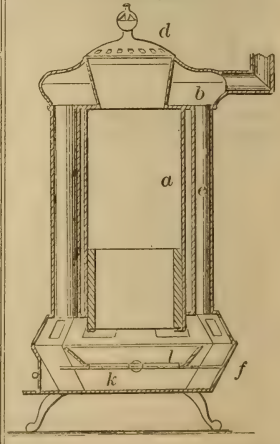




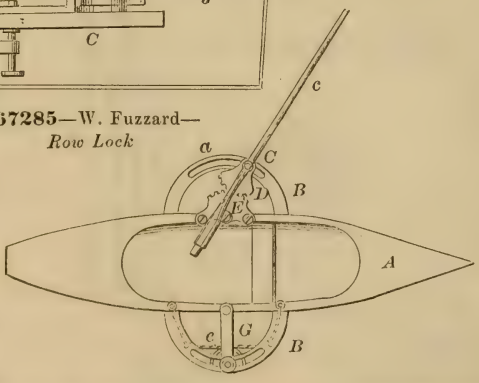
67281—A. Fox—*Filter.*



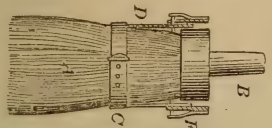
67283—C. H. Frost—*Base Burning Stove.*



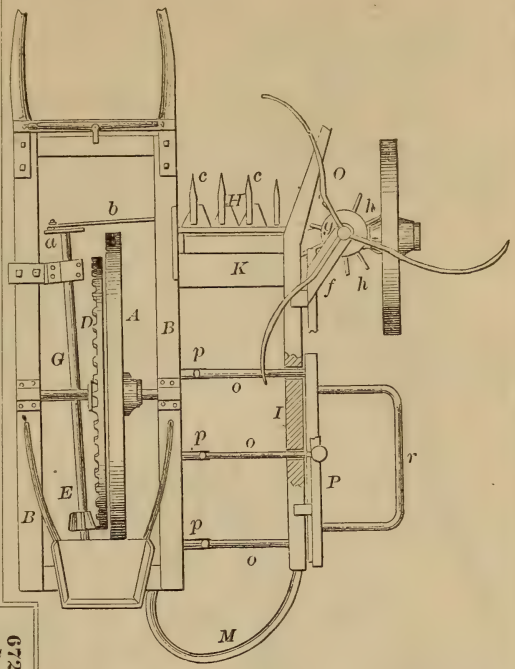
67285—W. Fuzzard—*Row Lock*



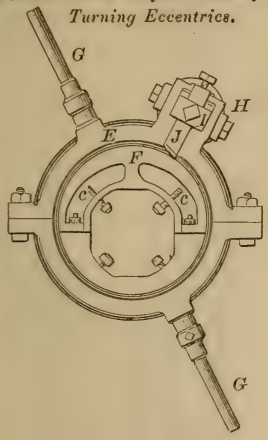
67286—G. R. Gardiner—*Clamp for Paint Brushes.*



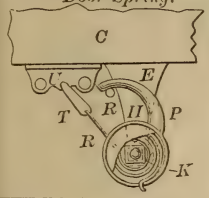
67287—W. N. Gates—*Corn Harvester.*



67288—J. B. Gayle—*Lathe for Turning Eccentrics.*

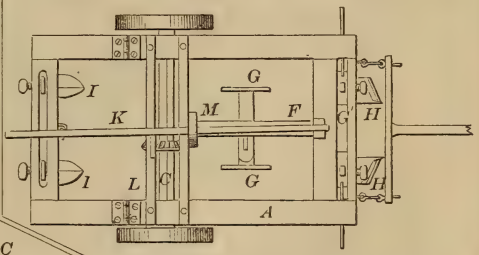


67290—W. Gilfillan—*Door Spring.*

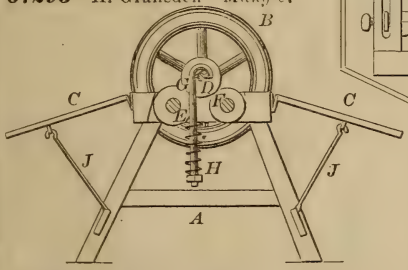


67292—J. H. Gould—*Bottle Stopper.*

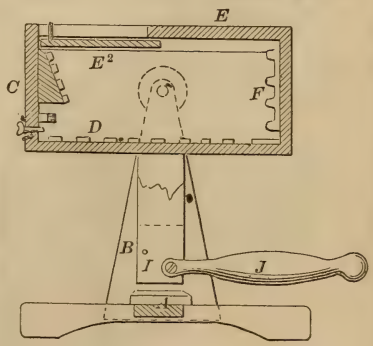
67289—C. Gibbon—*Cotton Cultivator.*



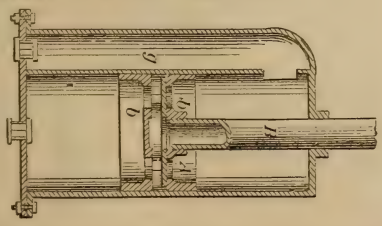
67293—H. Gransden—*Mangle.*



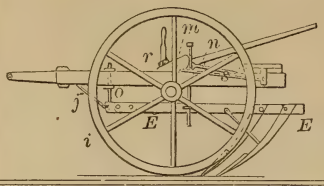
67294—W. Green—*Washing Machine.*



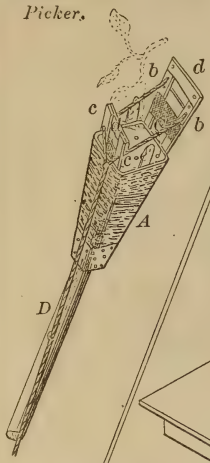
67291—C. B. Gill—*Pump Piston.*



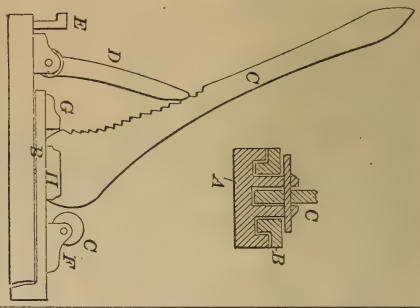
67295—A. M. Griswold—*Cultivator.*



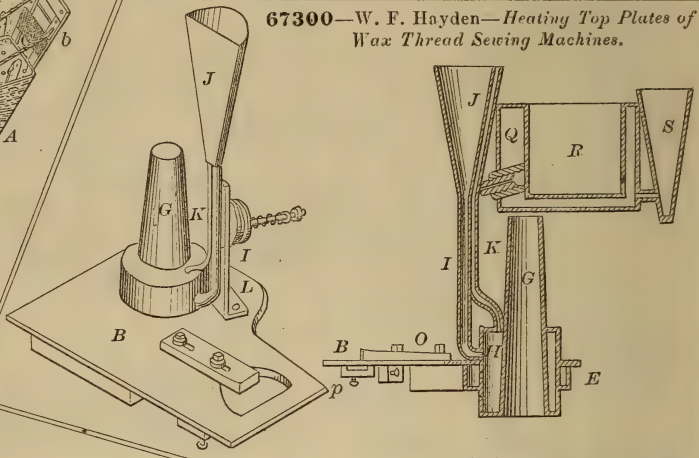
67296—E. W. Gurnee—*Fruit Picker.*

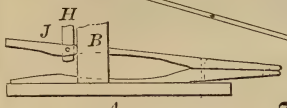


67297—J. F. Hammond—*Floor Clamp.*

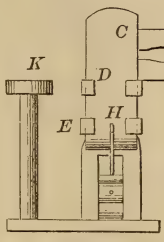


67300—W. F. Hayden—*Heating Top Plates of Wax Thread Sewing Machines.*

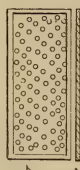




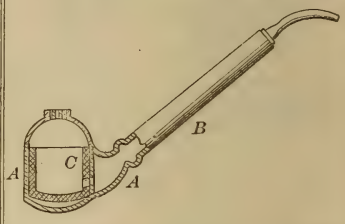
67301—H. N. Hill—*Corn Husker.*



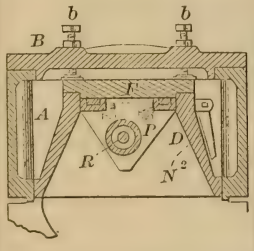
67298—J. Haskins—*Rubber Fabric.*



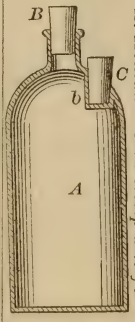
67299—J. S. Hawley—*Tobacco Pipe.*



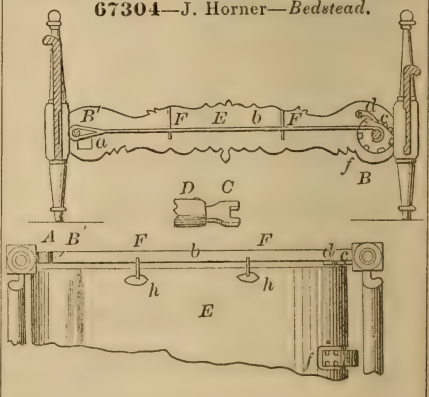
67302—G. H. Hoagland—*Slide Valve.*



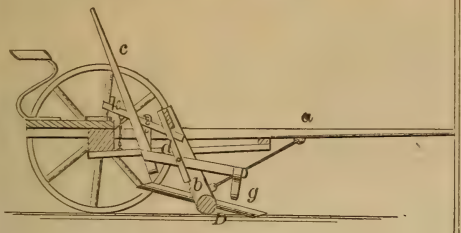
67303—A. Honrath—*Cork Receptacle for Bottles.*



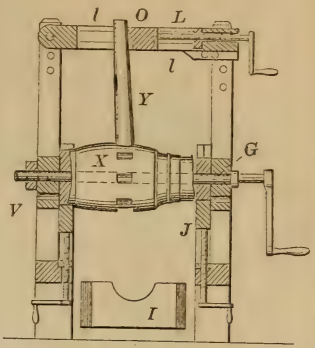
67304—J. Horner—*Bedstead.*



67305—C. Howard—*Horse Rake.*

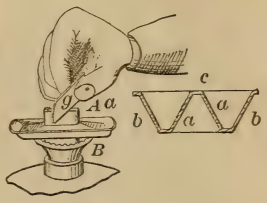


67306—Humphries & Keethler—*Wheel Spoking Machine.*

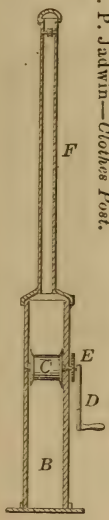


67307—W. S. Huntington—*Last Fastening.*

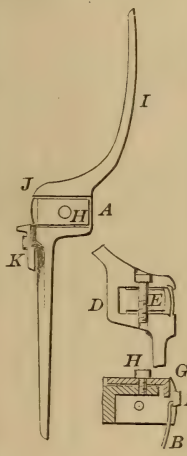
67309—J. Ives—*For Snuffing Lamps.*



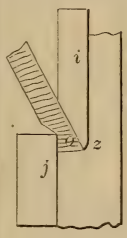
67310—C. P. Judwin—*Clothes Post.*



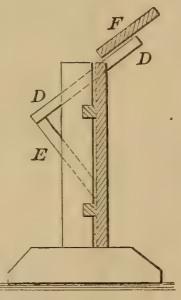
67313—A. E. Johnson—*Sleeve for Boots and Shoes.*



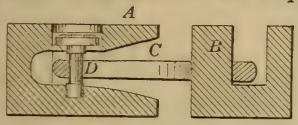
67312—E. Jewett—*Manufacturing Veneers.*



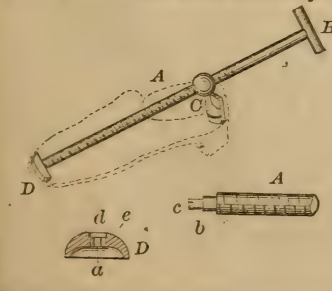
67308—F. W. Huxford—*Fence.*



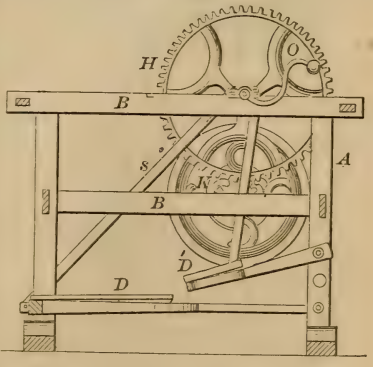
67311—W. R. Jamison—*Car Coupling.*



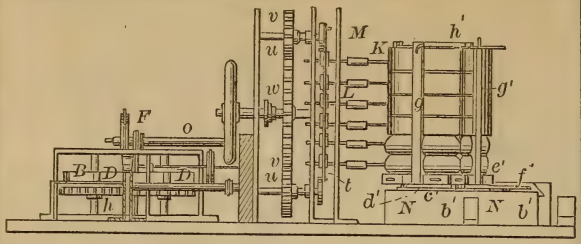
67314—W. Jones—*Shoe Stretching Device.*

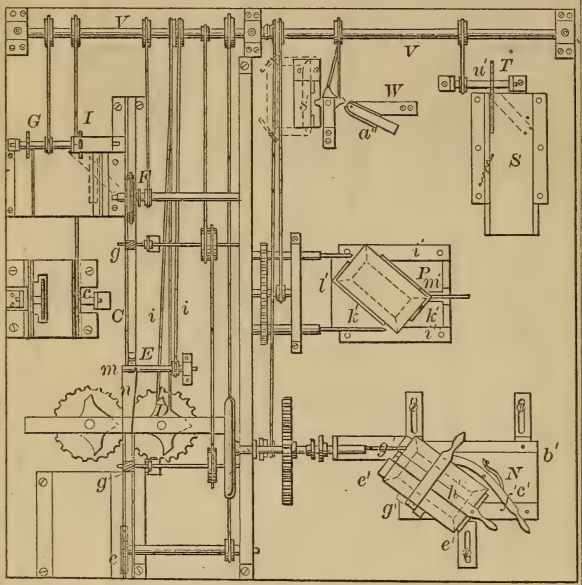


67315—Kenworthy & Silvers—*Manual Power Machine.*

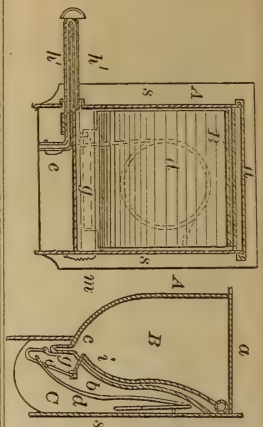


67316—W. Kester—*For Making Slate Frames.*

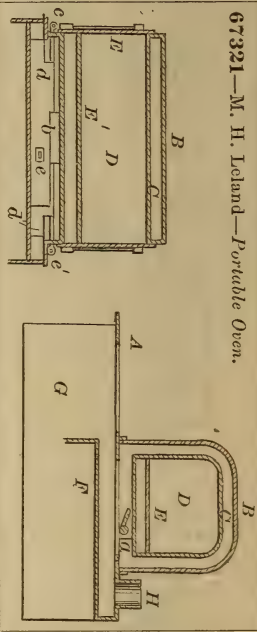




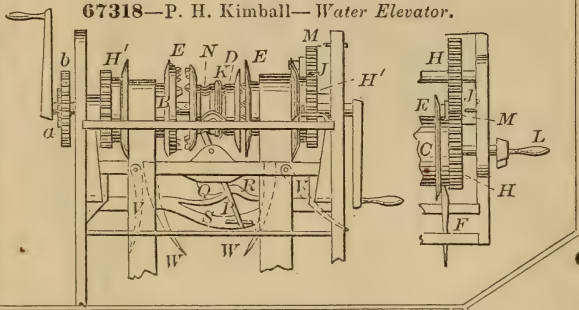
67317—Killin & Yates
Match Safe.



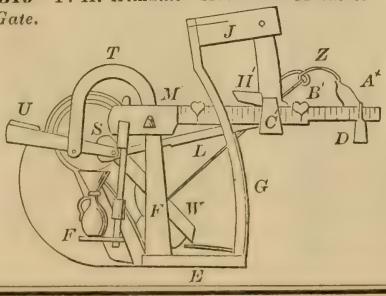
67321—M. H. Leland—*Portable Oven.*



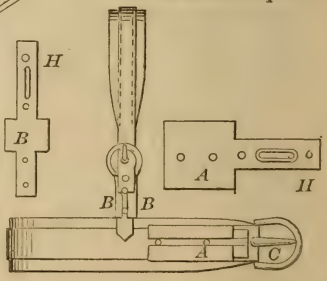
67318—P. H. Kimball—*Water Elevator.*



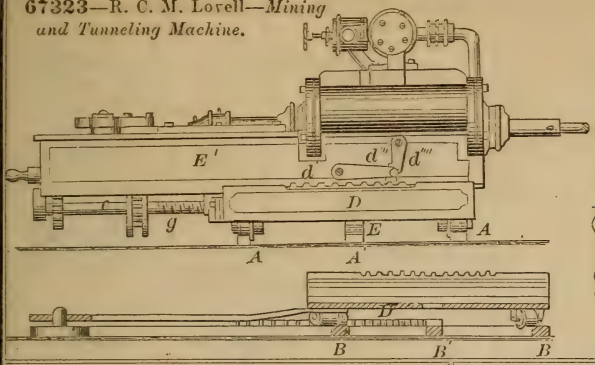
67319—P. H. Kimball—*Automatic Molasses Gate.*

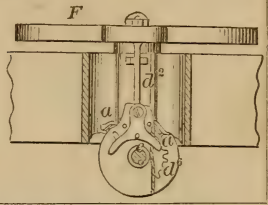


67322—C. H. Littlefield—
Metallic Loop.

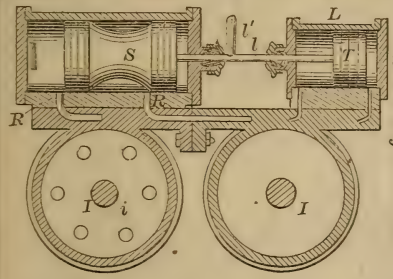


67323—R. C. M. Lovell—*Mining and Tunneling Machine.*

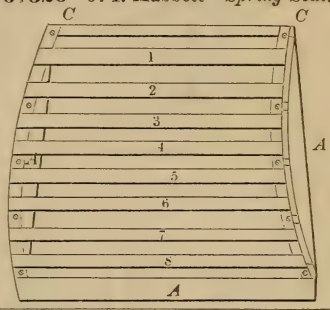


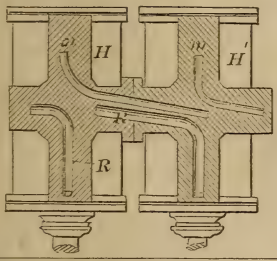


67324—R. C. M. Lovell—*Steam Engine Valve.*

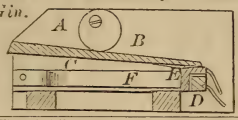


67326—J. I. Mabbett—*Spring Seat.*

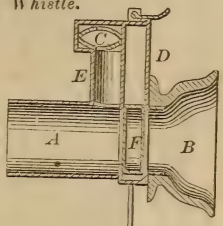


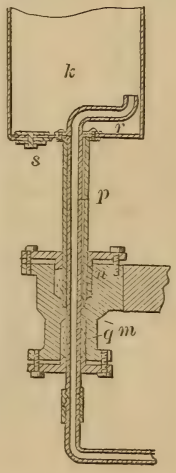


67327—F. McCarthy—*Cotton Gin.*

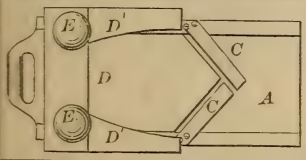


67329—W. J. McLea—*Alarm Whistle.*

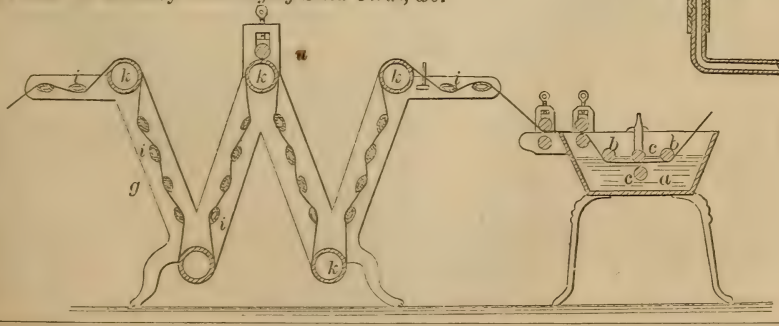




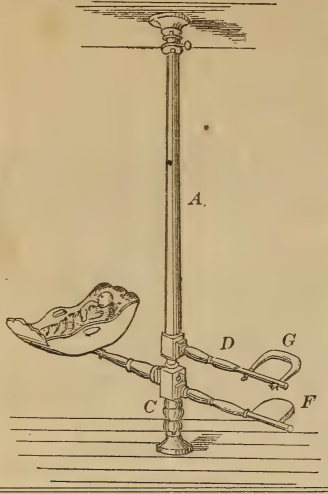
67325—J. Madden—*Bread Cutter.*



67328—D. McInroy—*For Drying Sized Cords, &c.*

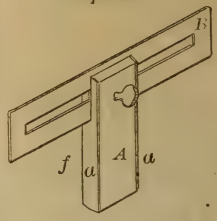


67331—W. M. Messick—*Circular Swinging Cradle and Baby Walker.*

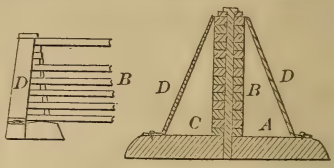


67333—W. Miller—*Corset.*

67338—J. Morass—*Square.*

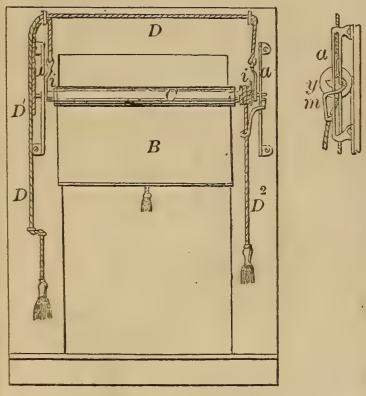


67332—W. A. Middleton—*Fence.*

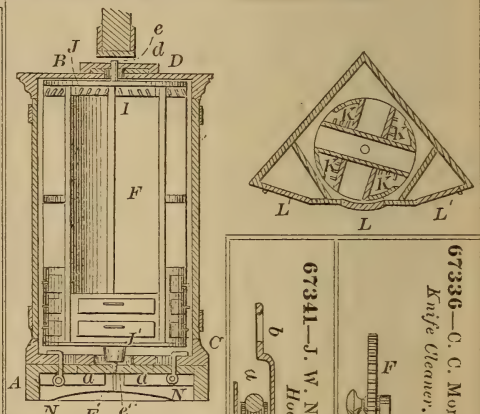


67334—J. F. Milligan—*Cotton Bale Tie.*

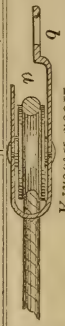
67337—D. G. Morgan—*Window Curtain.*



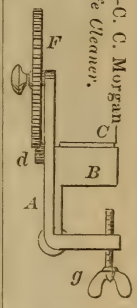
67339—I. Moser—*Wardrobe or Closet.*



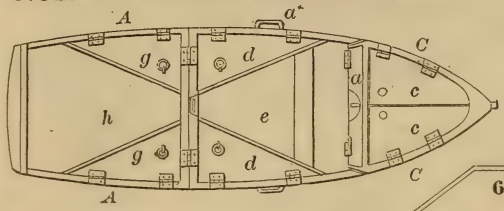
67341—J. W. Norcross—*Clothes Line Hook Block.*



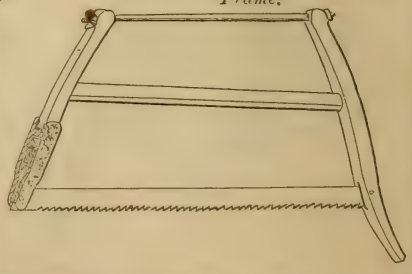
67336—C. C. Morgan—*Knife Cleaner.*



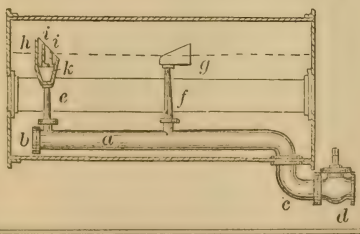
67342—J. A. Olmstead—*Boat and Trunk.*



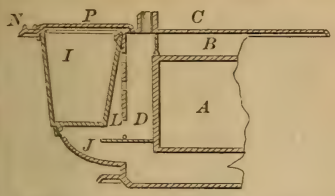
67343—S. Oppenheimer—*Buck Saw Frame.*



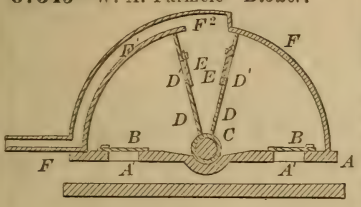
67340—R. Needham—*Steam Boiler.*

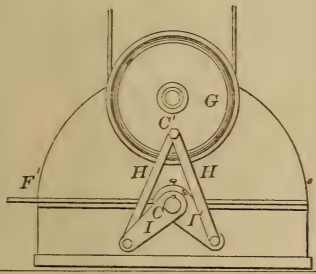


67344—D. E. Paris—*Cooking Stove.*

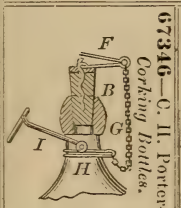


67345—W. A. Parmele—*Blower.*

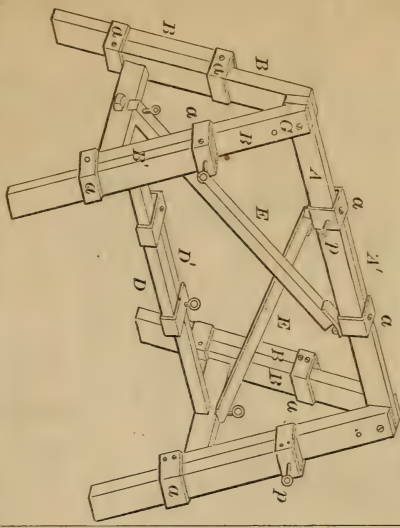




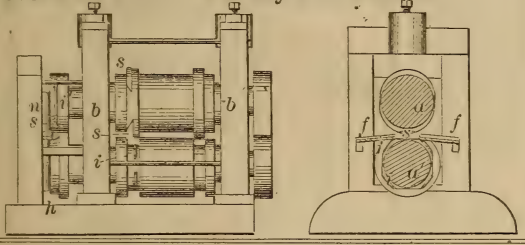
67346—C. H. Porter—*Corking Bottles.*



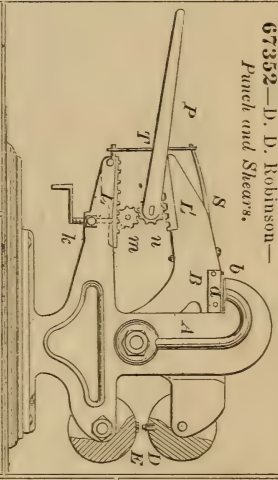
67347—J. Reef, Jr.—*Trestle and Scaffold Supporter.*



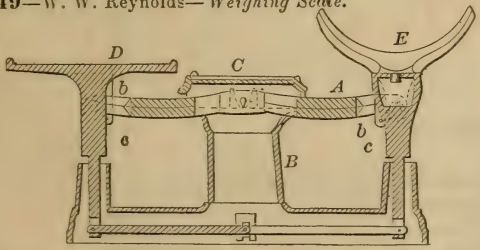
67348—A. Reese—*For Rolling Horse Shoe Bars.*



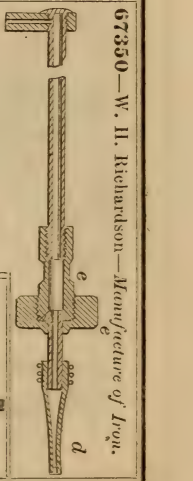
67352—D. D. Robinson—*Punch and Shears.*



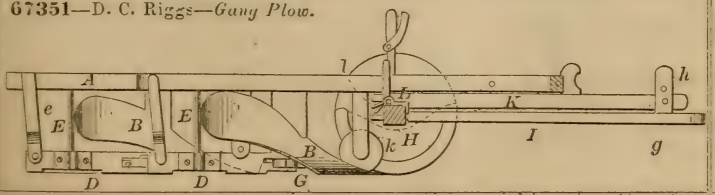
67349—W. W. Reynolds—*Weighing Scale.*



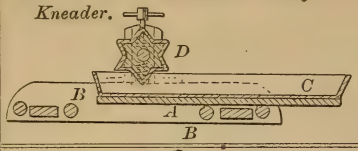
67350—W. H. Richardson—*Manufacture of Iron.*



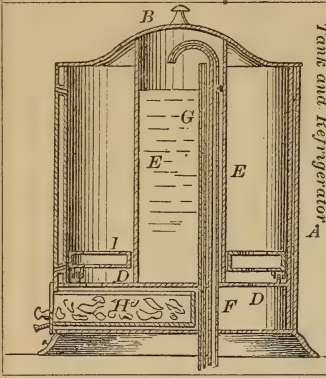
67351—D. C. Riggs—*Gang Plow.*



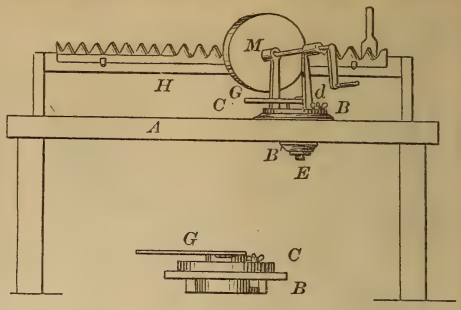
67353—P. W. Robinson—*Dough Kneader.*



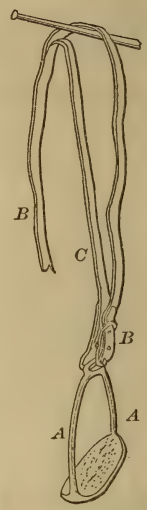
67354—Rosenkranz & Esch—*Water Tank and Refrigerator.*



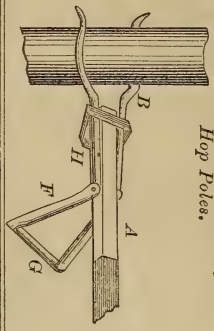
67355—E. M. Scott—*For Grinding Reaper Knives.*



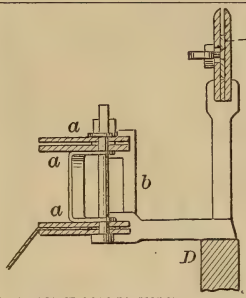
67357—P. Selby—*Hanging Stirrups.*



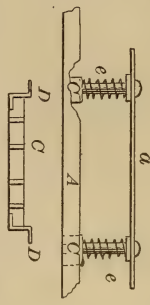
67365—W. Smith—*For Pulling Hop Poles.*



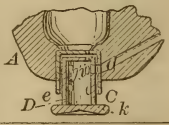
67358—W. Serviss—*For Making Sheet Metal Pans.*



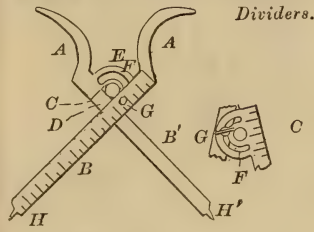
67362—E. Small—*Bed Bottom.*



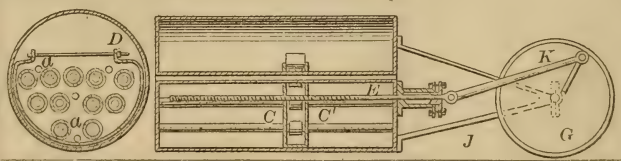
67356—C. E. Searles—*Tobacco Pipe.*



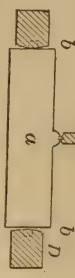
67360—L. Shelters—*Calipers and Dividers.*



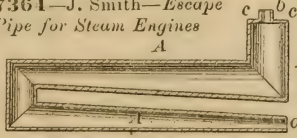
67361—W. P. Slensby—*Boiler Cleaner.*



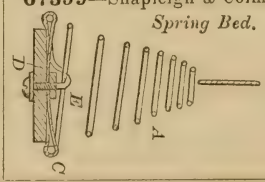
67363—Smith & Lumis—*Window Blind.*



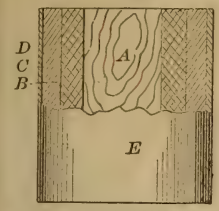
67364—J. Smith—*Escape Pipe for Steam Engines*



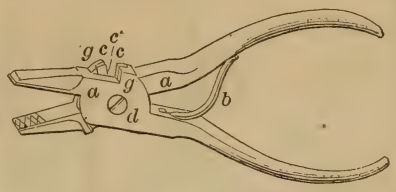
67359—Shapleigh & Colman—*Spring Bed.*



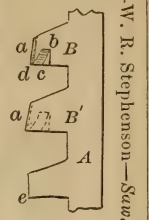
67366—W. H. Smith—*Preserving Wooden Piles.*



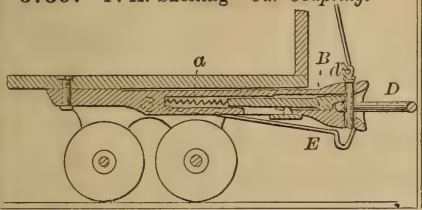
67370—W. X. Stephens—*Compound Tool.*



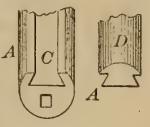
67369—W. R. Stephenson—*Saw.*



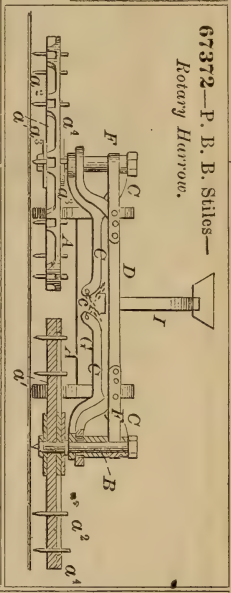
67367—P. H. Snelling—*Car Coupling.*



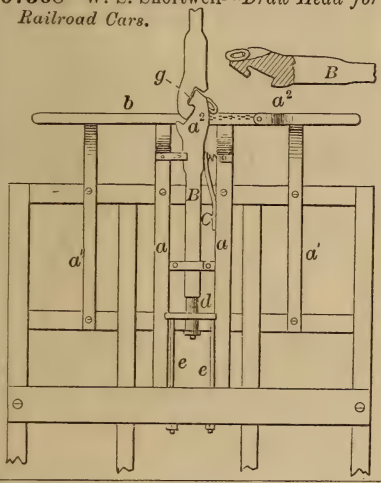
67371—W. H Stickel—*Prop Block for Carriage Tops.*



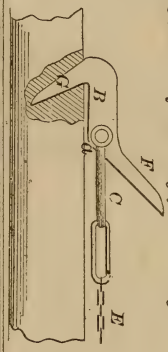
67372—P. B. B. Stiles—*Rotary Harrow.*



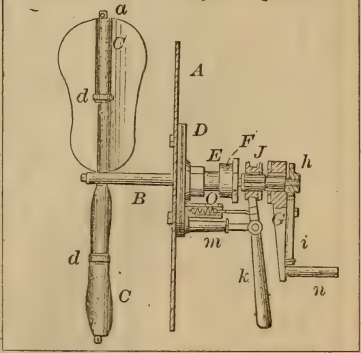
67368—W. S. Shortwell—*Draw Head for Railroad Cars.*



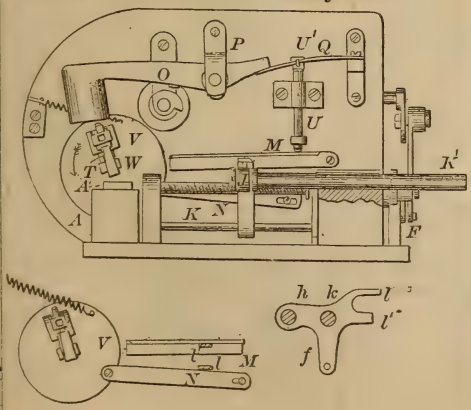
67375—S. Sykes—*Dog for Saw Logs.*



67376—C. E. Toley—*Propeller.*

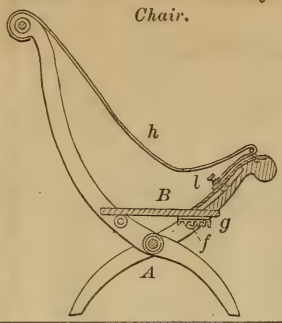


67374—S. A. Sutton—*For Cutting Files.*

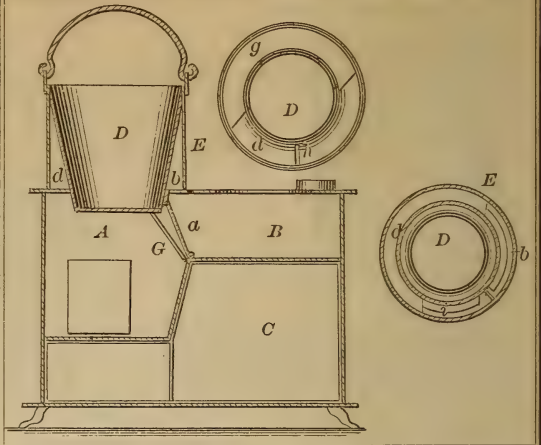


67377—M. Traver—*Spittoon for Railroad Cars.*

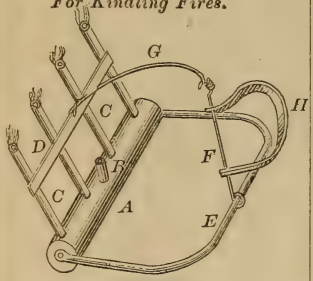
67378—G. Trinks—*Folding Chair.*



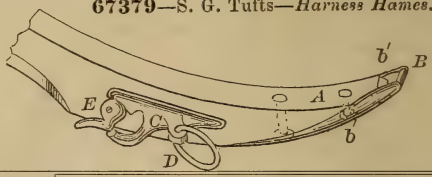
67383—C. Van De Mark—*Cooking Stove.*



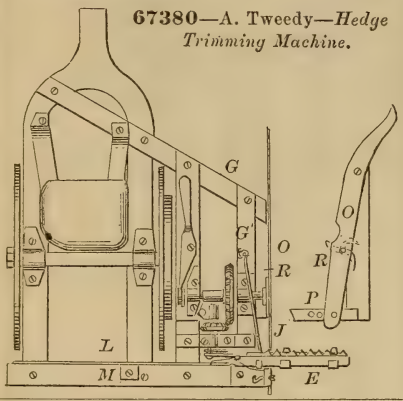
67882—H. Van Ausdall—*For Kindling Fires.*



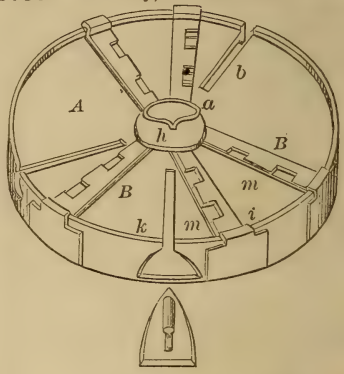
67379—S. G. Tufts—*Harness Hames.*



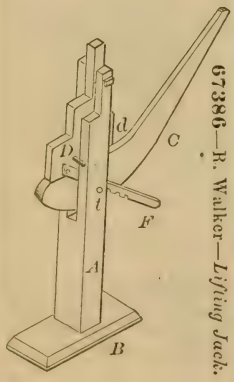
67380—A. Tweedy—*Hedge Trimming Machine.*



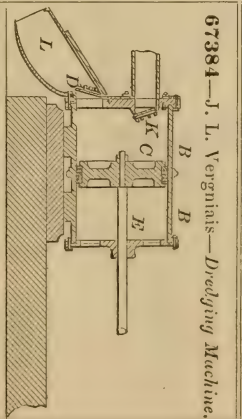
67381—D. Utley, 2d—*Sad Iron Heater.*



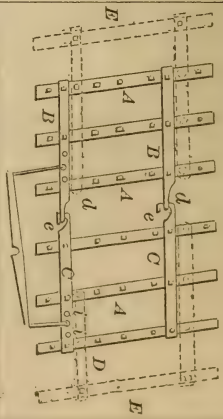
67386—R. Walker—*Lifting Jack.*



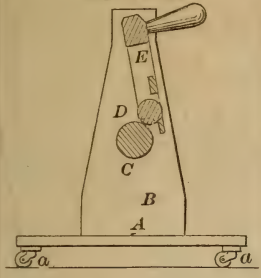
67384—J. L. Vergnais—*Dredging Machine.*



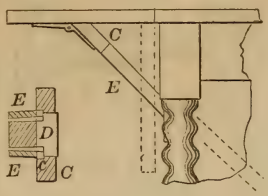
67387—J. Walsh—*Harrow.*



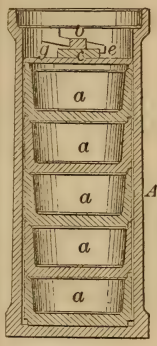
67388—C. E. Wareham—*Mop Wringer.*



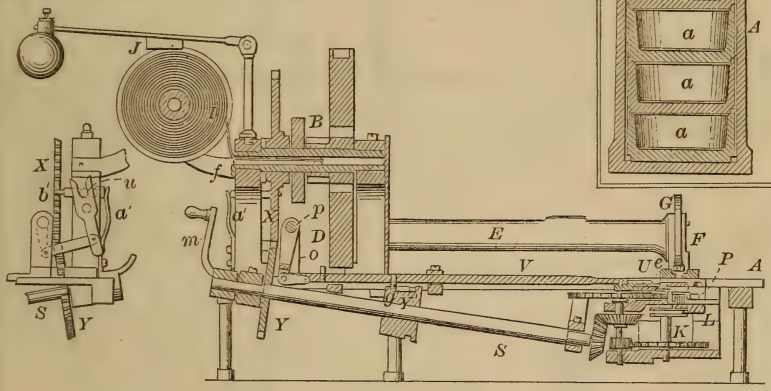
67390—W. Whitworth—*Table Leaf Support.*

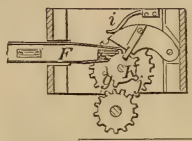


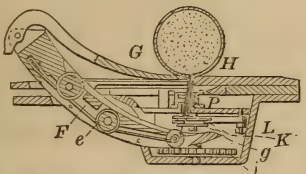
67391—J. Wilcox—*Putting up and Preserving Butter.*



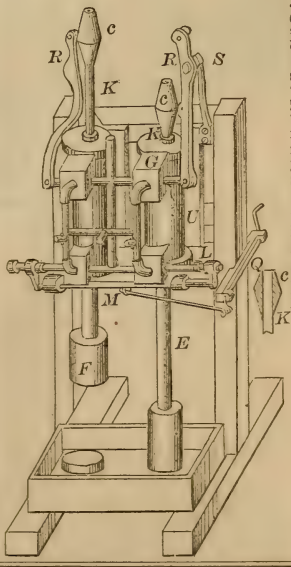
67389—G. Warner—*Grain Binder.*



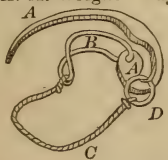




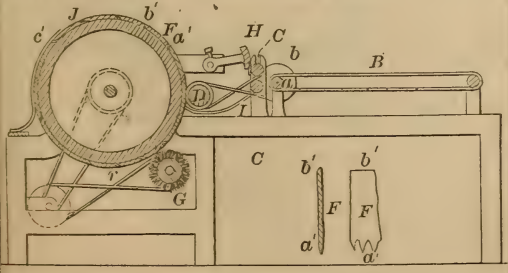
67392—F. R. Wilson—*Valve Gear.*



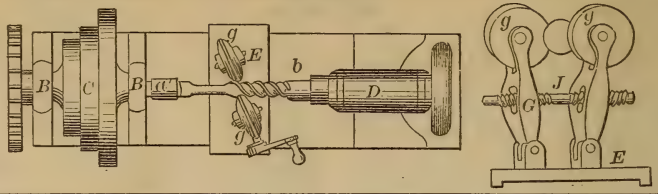
67393—A. M. Wright—*Bag Fastener.*



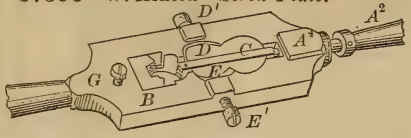
67394—R. J. Clay—*For Burring Wool.*



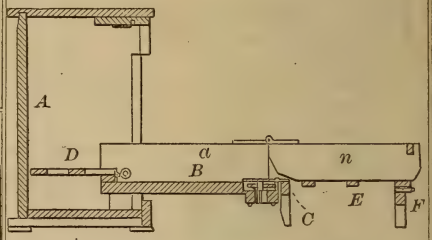
67395—Aldrich & Evans—*For Twisting Augers.*



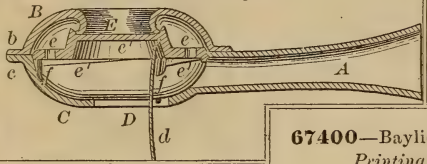
67396—W. Ashton—*Screw Plate.*



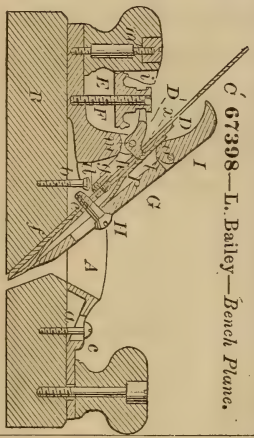
67397—W. K. Bacall—*Bedstead.*



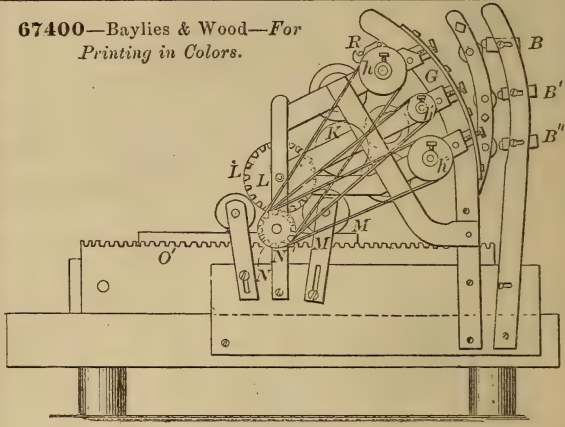
67399—W. W. Ball—*Tuyere.*

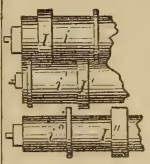


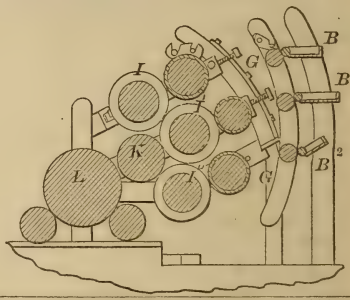
67398—L. Bailey—*Bench Plane.*



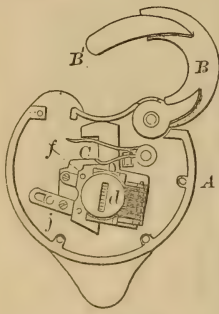
67400—Baylies & Wood—*For Printing in Colors.*

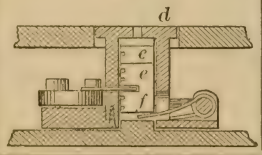




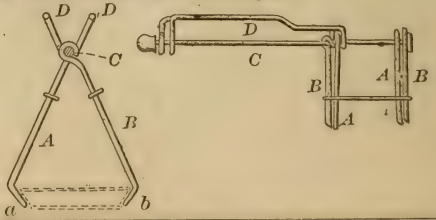


67401—W. Bohannan—*Padlock.*

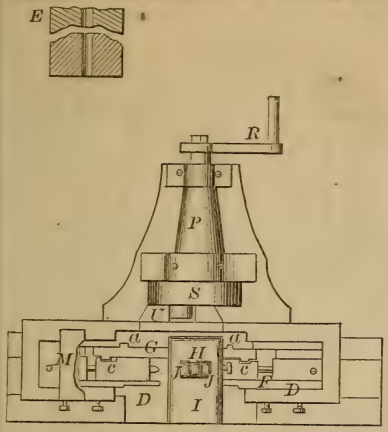




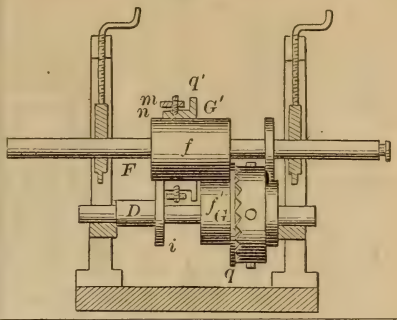
67402—C. F. Bosworth—*Plate Lifter.*



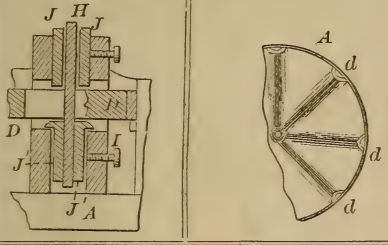
67403—J. R. Bridges—*For Making Nuts.*



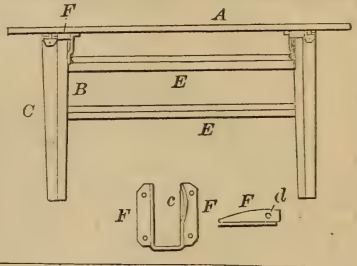
67404—P. Bright—*Rolling Mill.*



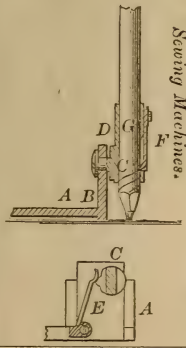
67405—J. Brown—*Umbrella.*



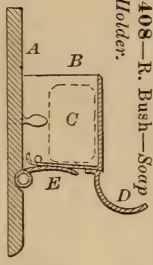
67406—J. P. Brown—*Folding Table.*



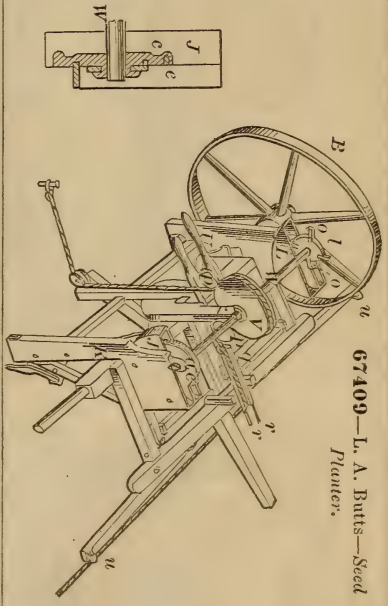
67407—S. F. Brown—*Marker for Sewing Machines.*



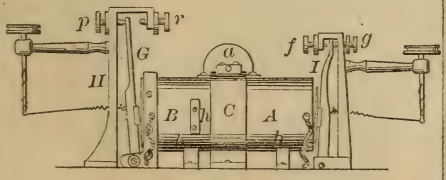
67408—R. Bush—*Soap Holder.*



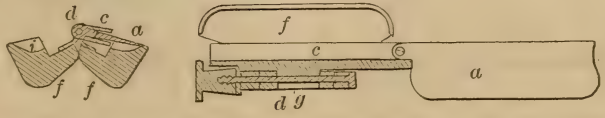
67409—L. A. Butts—*Seed Planter.*



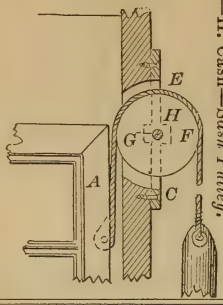
67410—S. G. Cabell—*Telegraphic Instrument.*



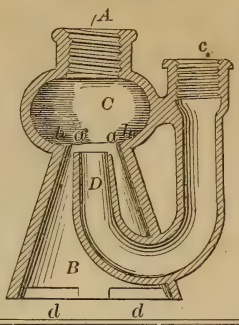
67411—G. Carr—*Razor.*



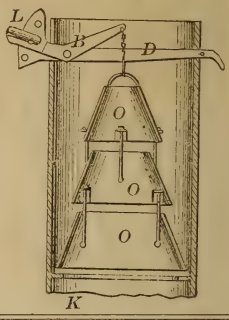
67412—H. Cash—*Sash Pulley.*



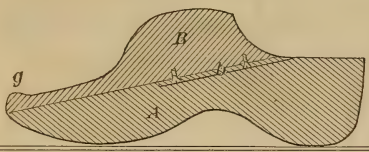
67413—N. L. Chappell—*Steam Ejector.*



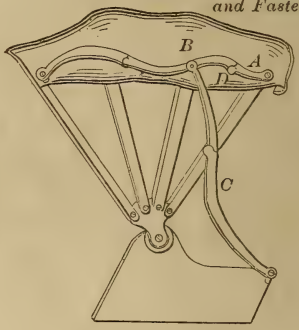
67415—Cox & Potter—*Stove Pipe Damper.*



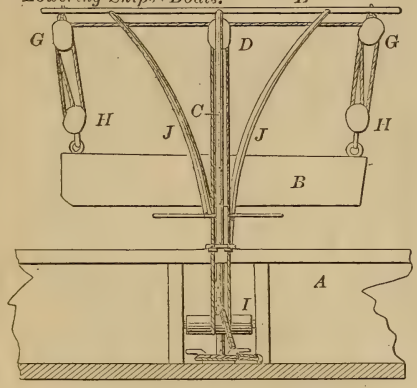
67414—A. W. Cheever—*Last.*



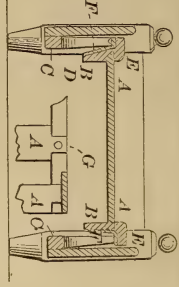
67418—H. M. Curtis—*Buggy Top Joint and Fastening.*



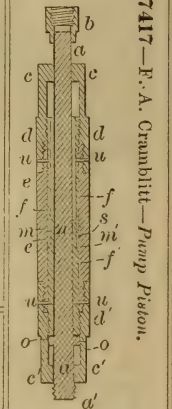
67419—W. A. Devon—*For Raising and Lowering Ships' Boats.*



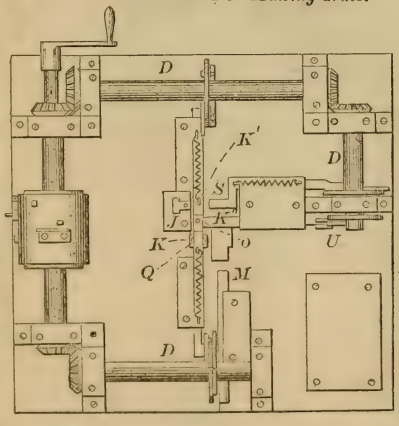
67420—H. Doebele—*Bed Bottom.*

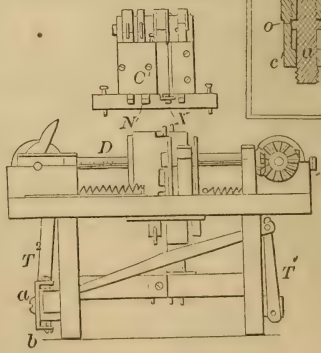


67417—F. A. Cramblitt—*Pump Piston.*

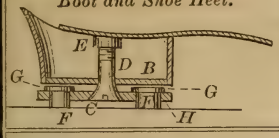


67421—G. Dunham—*For Making Nuts.*

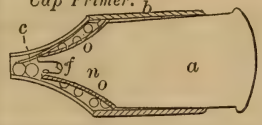




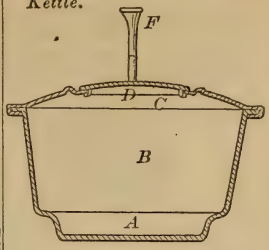
67422—Dyer & Drake—*Boot and Shoe Heel.*



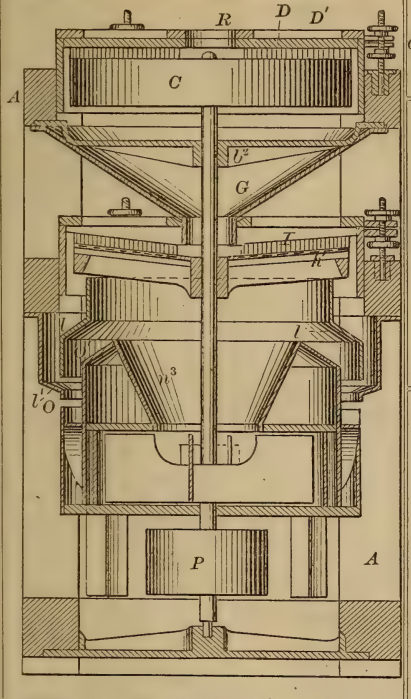
67424—Ely & Cook—*Cap Primer.*



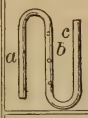
67425—S. B. Everitt—*Tea Kettle.*



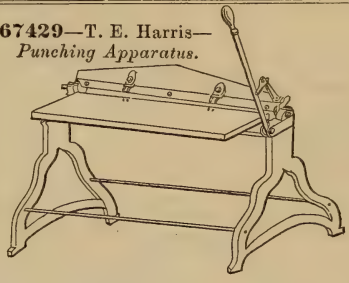
67423—P. T. Elting—*Smut Machine.*



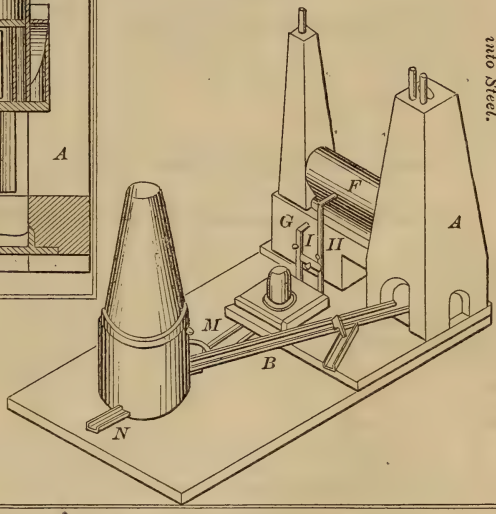
67428—G. L. Gerard—*Buckle.*



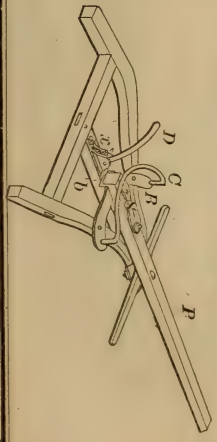
67429—T. E. Harris—*Punching Apparatus.*



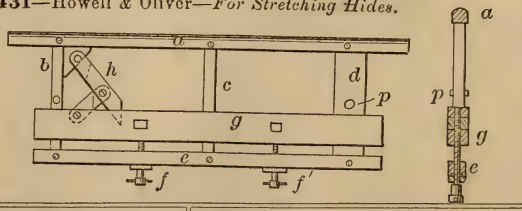
67426—Fletcher & Blanchard—*Converting Cast Iron into Steel.*



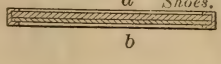
67430—S. L. Heisey—*Cultivator.*



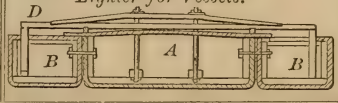
67431—Howell & Oliver—*For Stretching Hides.*



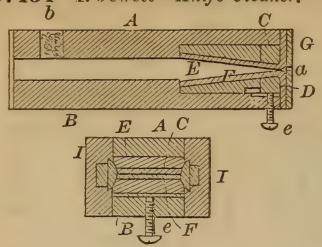
67432—S. W. Huntington—*Inner Sole for Boots and Shoes.*



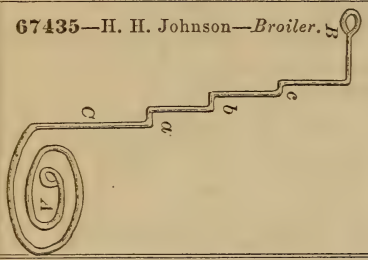
67433—Ingram & Kennedy—*Lighter for Vessels.*



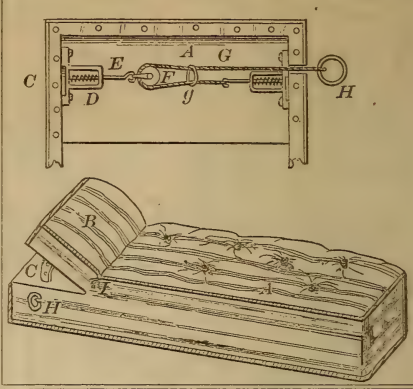
67434—I. Jewett—*Knife Cleaner.*



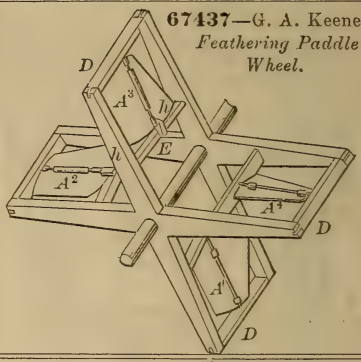
67435—H. H. Johnson—*Broiler.*



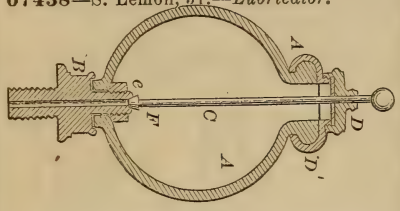
67436—P. Kraher—*Bolster for Mattresses.*



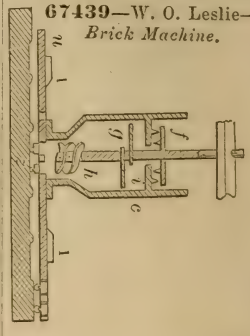
67437—G. A. Keene—*Feathering Paddle Wheel.*



67438—S. Lemon, Jr.—*Lubricator.*

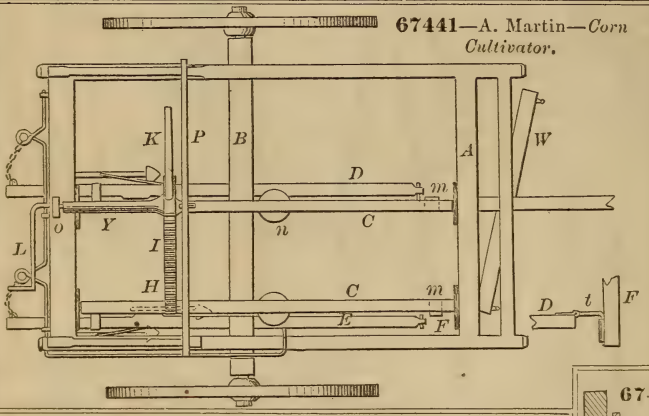


67439—W. O. Leslie—*Brick Machine.*

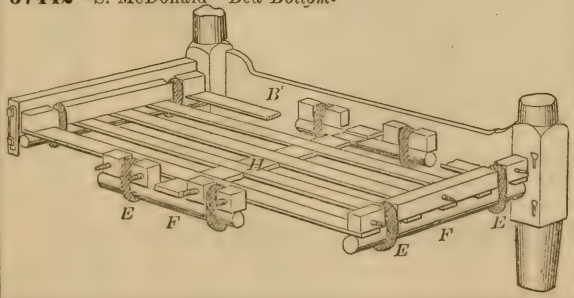


67440—C. Manheim—*Securing Rubber Rolls to Shafts.*

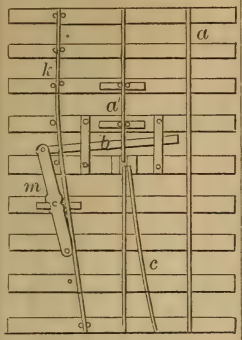
67441—A. Martin—*Corn Cultivator.*



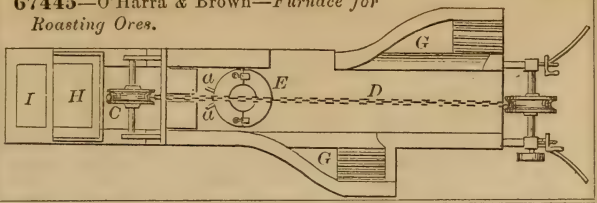
67442—S. McDonald—*Bed Bottom.*



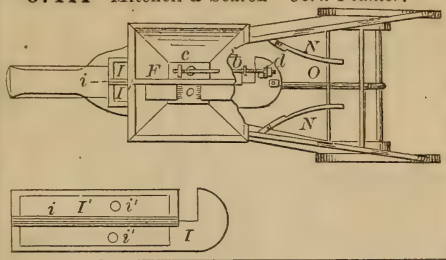
67443—McLaughlin & Jones—*Railroad Switch.*



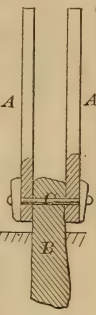
67445—O'Harra & Brown—*Furnace for Roasting Ores.*



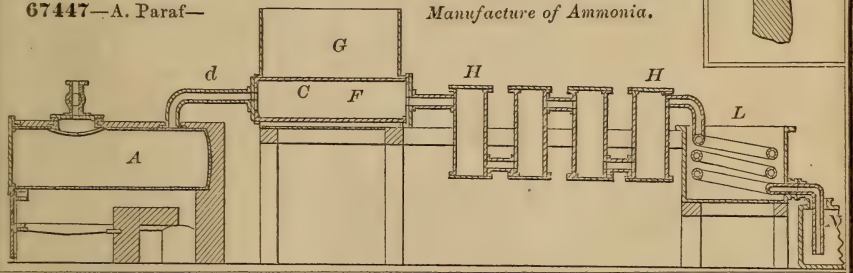
67444—Mitchell & Search—*Corn Planter.*



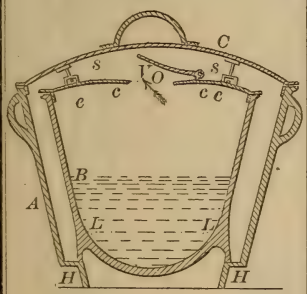
67446—D. Oliver—*Fence Post.*

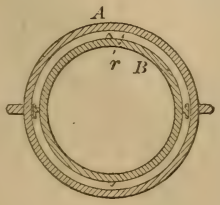


67447—A. Paraf—*Manufacture of Ammonia.*

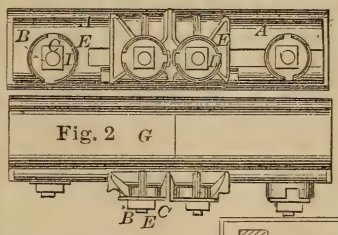


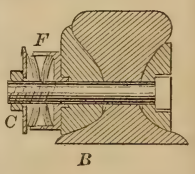
67452—Purdy & Barger—*Boiler.*



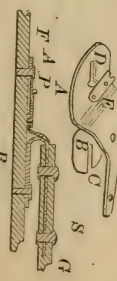


67451—D. R. Pratt—*Splicing Railroad Rails.*

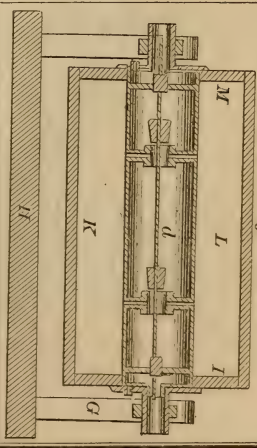




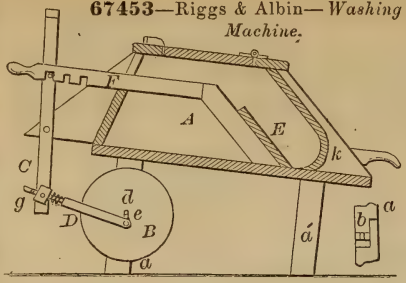
67448—C. B. Payne—*Trace Buckle.*



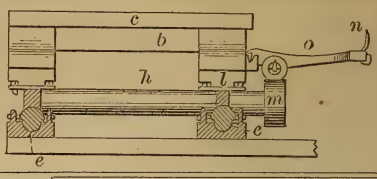
67449—Peabody & Cowles—*For Dressing and Renovating Feathers.*



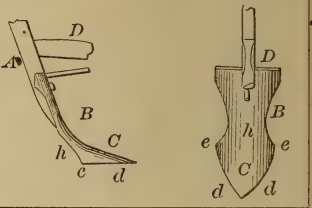
67453—Riggs & Albin—*Washing Machine.*



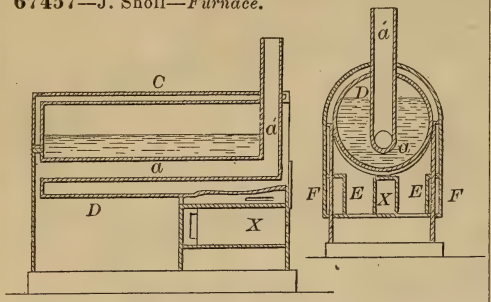
67454—S. E. Robbins—*Platform Scales.*



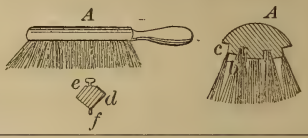
67456—E. Seward—*Plow.*



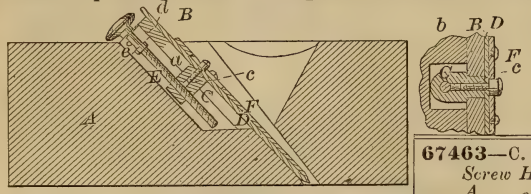
67457—J. Sholl—*Furnace.*



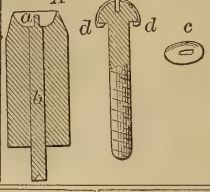
67461—S. Taylor—*Dust Brush.*



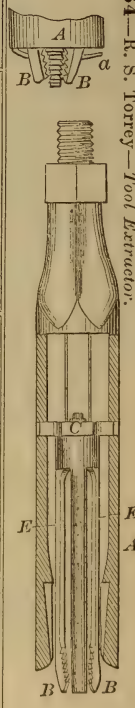
67458—Spooner & Johnson—*Carpenter's Plane.*



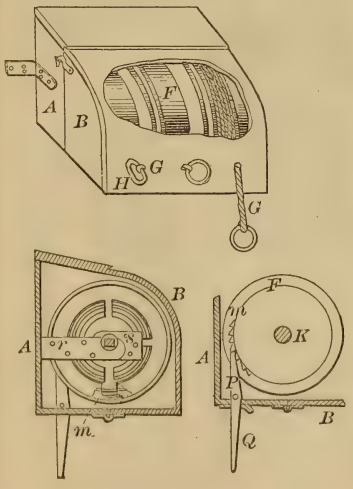
67463—C. E. Thompson—*Screw Head Caps.*



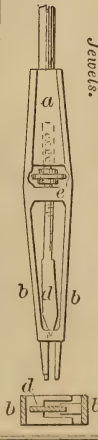
67464—R. S. Torrey—*Tool Extractor.*



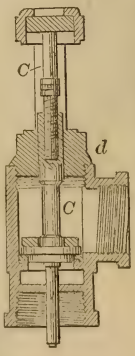
67459—J. D. Starritt—*Clothes Line Reel.*



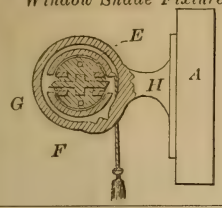
67462—A. A. F. & A. Thoma—*For Setting Jewels.*



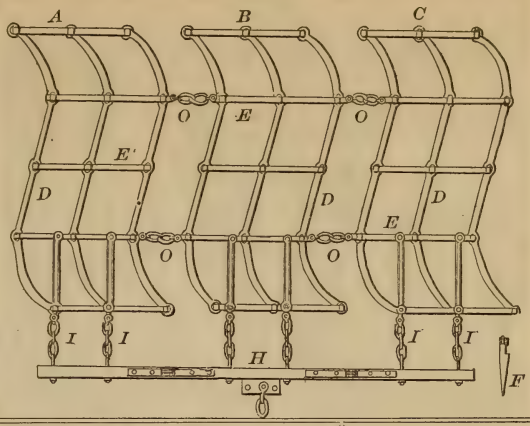
67460—J. Stowell—*Safety Cock.*



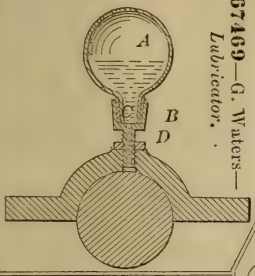
67465—L. A. Tripp—*Window Shade Fixture.*



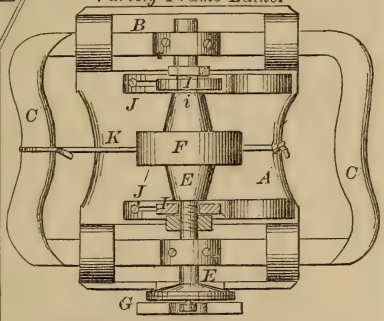
67466—J. E. Van Riper—*Harrow.*



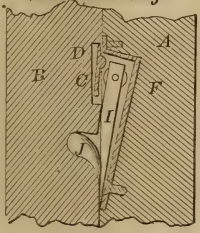
67469—G. Waters—*Lubricator.*



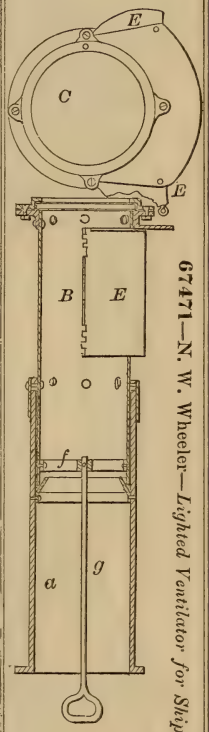
67473—Wicker & Williams—*Variety Frame Lathe.*



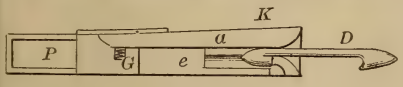
67472—M. V. B. White—*Sash Fastening.*



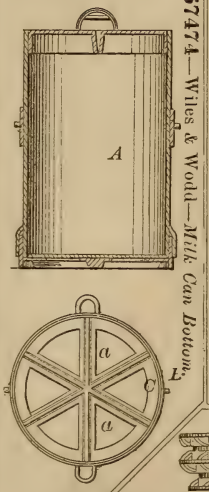
67471—N. W. Wheeler—*Lighted Ventilator for Ships.*



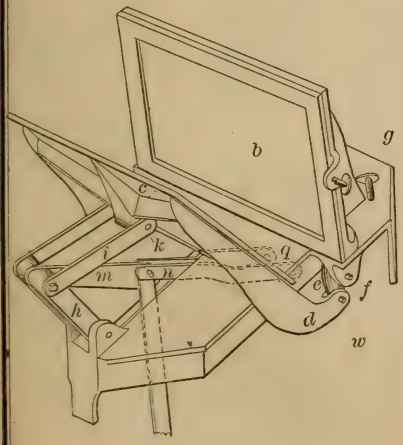
67468—Warner & Palmer—*Car Coupling.*



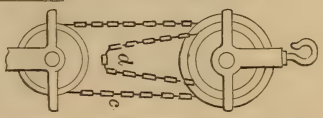
67474—Wiles & Wood—*Milk Can Bottom.*



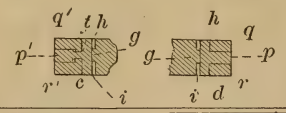
67475—Woods & Tuttle—*Printing Press.*



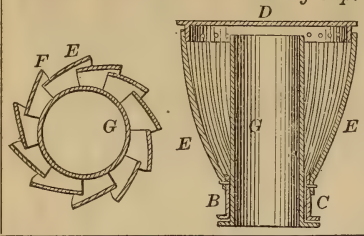
67470—T. A. Weston—*Pulley.*



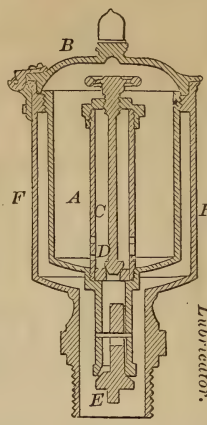
67476—E. B. Allen—*Piston Packing.*



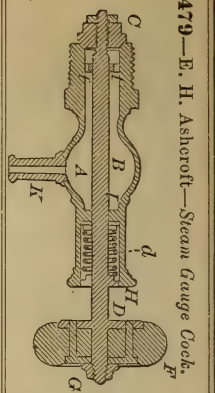
67477—M. Anderson—*Chimney Cap.*



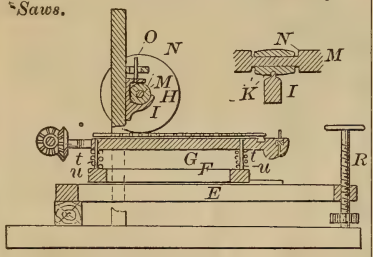
67478—E. H. Ashcroft—*Steam Cylinder Lubricator.*



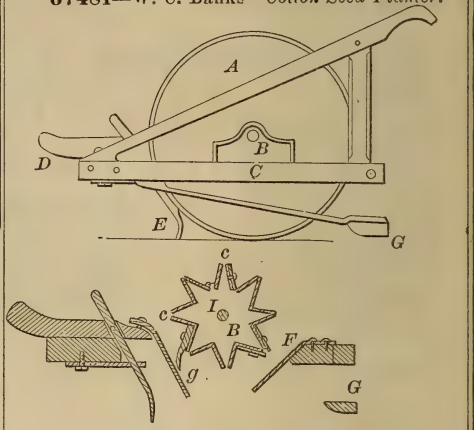
67479—E. H. Ashcroft—*Steam Gauge Cock.*



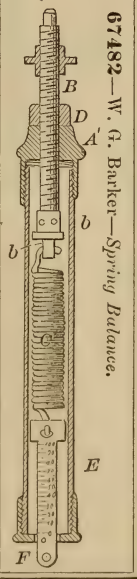
67480—E. C. Atkins—*For Grinding Saws.*



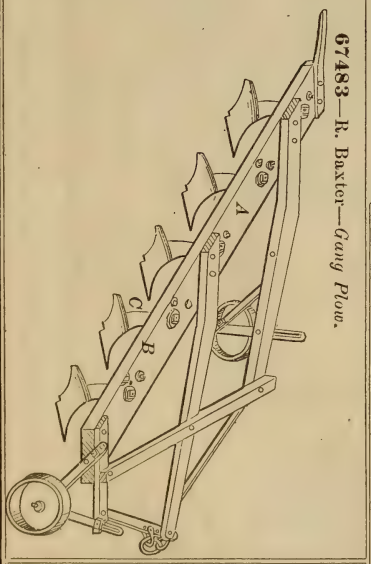
67481—W. C. Banks—*Cotton Seed Planter.*



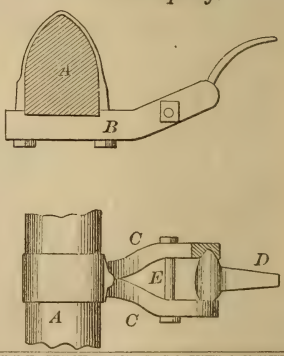
67482—W. G. Barker—*Spring Balance.*



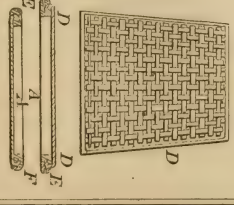
67483—E. Baxter—*Gang Plow.*



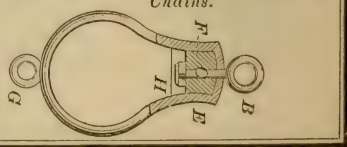
67484—E. Bennett—*Thill and Pole Coupling.*



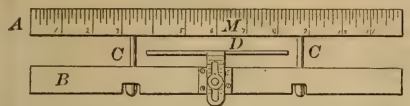
67485—A. Bingham—*Chair Seat.*



67486—J. Bird—*Loop for Bearing Chains.*

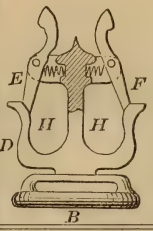


67487—E. Bostock—*Adjustable Parallel Ruler.*

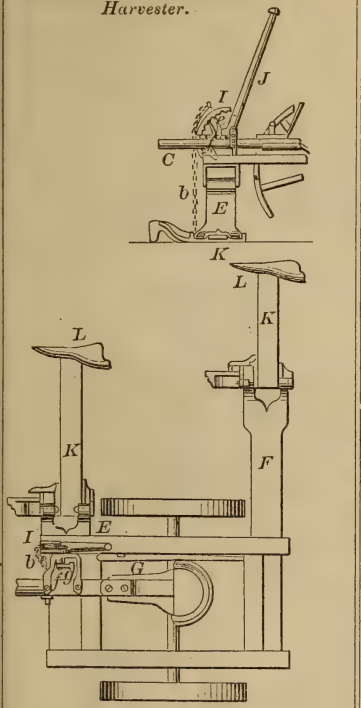


67488—E. G. Bottner—*Slate Pencil Sharpener.*

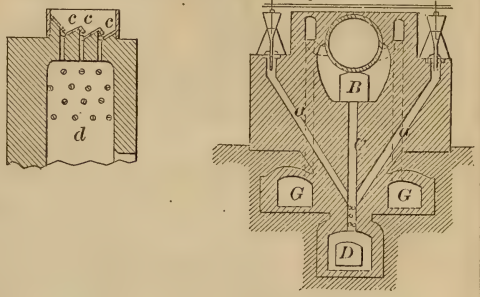
67489—T. J. Bottomley—*Tug Holder.*



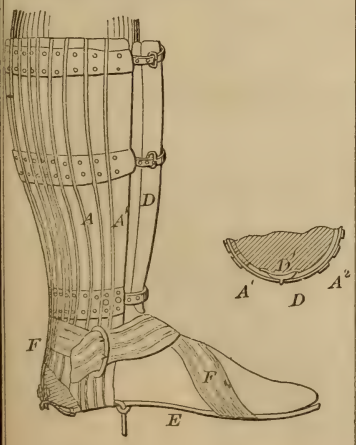
67490—W. F. Brabrook—*Harvester.*



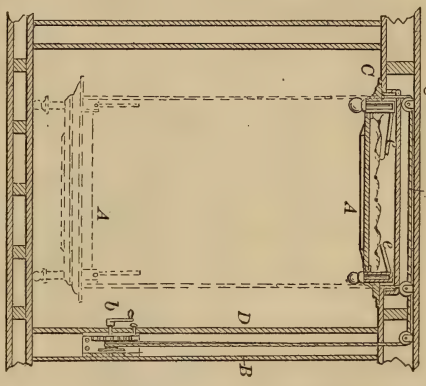
67492—J. Bührer—*For the Combustion of Fuel.*



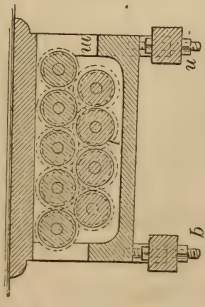
67493—J. L. Burch—*Splint.*



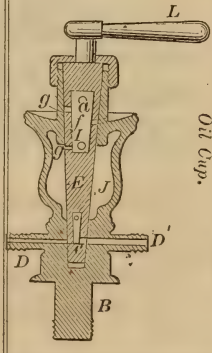
67494—D. Burnett—*Elevated Bedstead.*



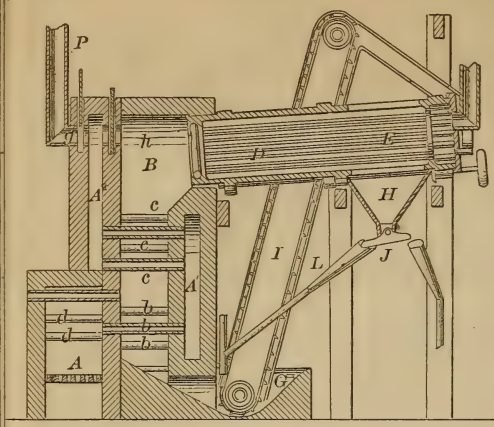
67495—J D. Carter—*For Straightening Sheet Metal.*



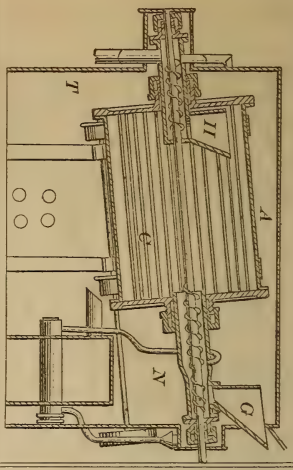
67496—T. Chatterton—*Steam Engine Oil Cup.*



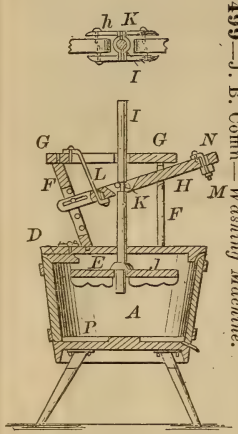
67497—T. J. Chubb—*Furnace for Oxydizing Ores.*



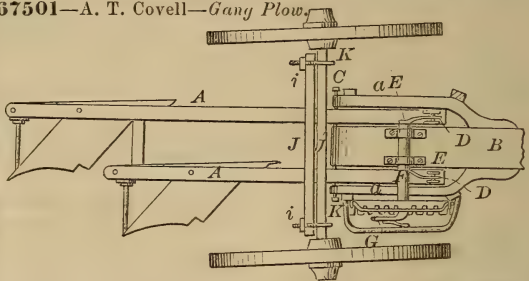
67498—T. J. Chubb—*Amalgamator.*



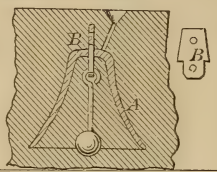
67499—J. B. Coffin—*Washing Machine.*



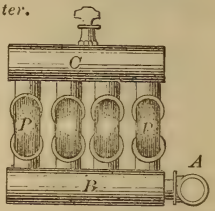
67501—A. T. Covell—*Gang Plow.*



67500—E. G. Cone—*Cast Iron Bell.*

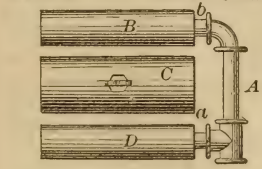


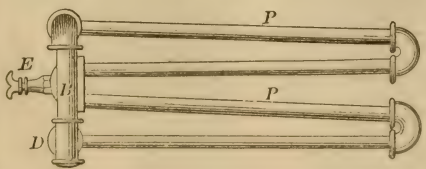
67503—R. T. Crane—*Steam Heater.*



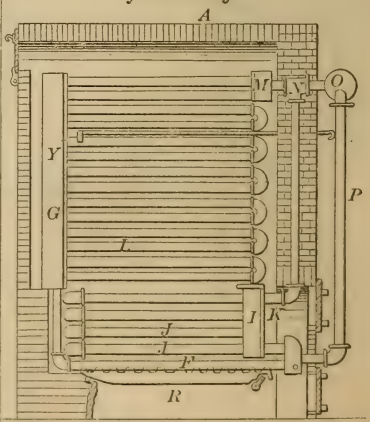
67502—R. T. Crane—*Pattern for Casting Steam Pipe Supports.*

67504—R. T. Crane—*Steam Heater.*

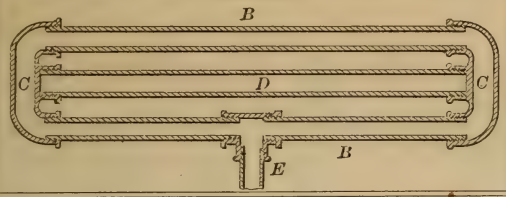




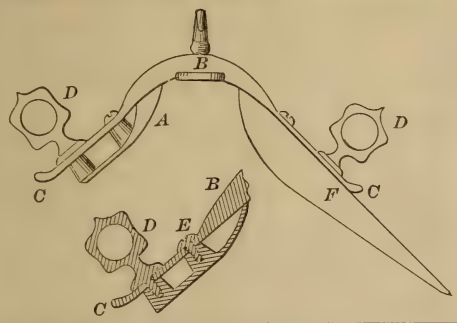
67505—R. T. Crane—*Steam Generator for Heating.*



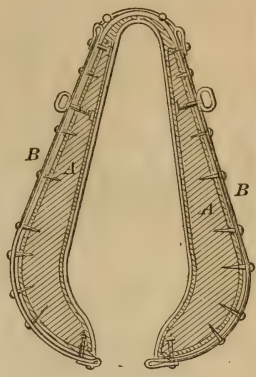
67506—R. T Crane—*Low Water Alarm for Steam Generators.*



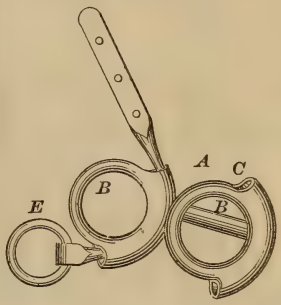
67507—A. J. Cronk—*Pad Tree.*



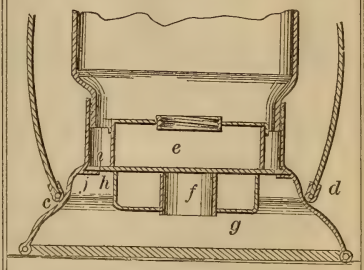
67508—A. J. Cronk—*Horse Collar.*



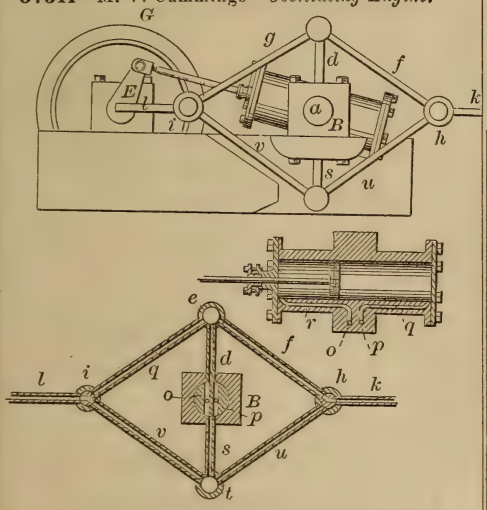
67509—O. Crook—*Bridle Bit.*



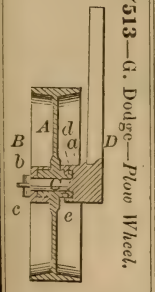
67510—J. E. Cross—*Lantern.*



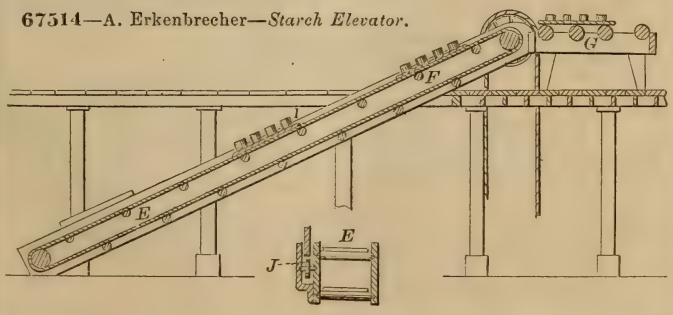
67511—M. V. Cummings—*Oscillating Engine.*



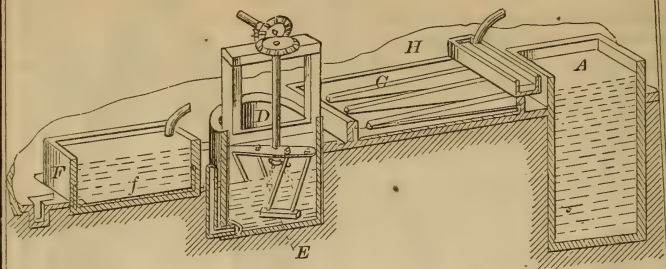
67513—G. Dodge—*Plow Wheel.*



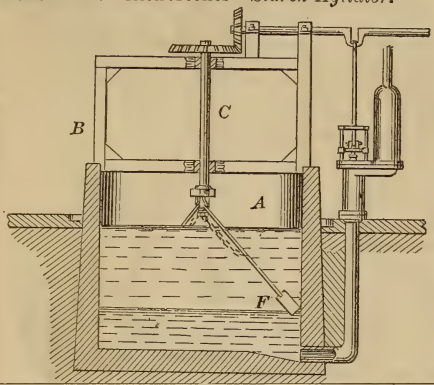
67514—A. Erkenbrecher—*Starch Elevator.*



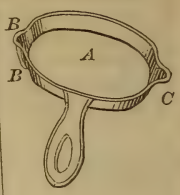
67515—A. Erkenbrecher—*Starch Making Apparatus.*



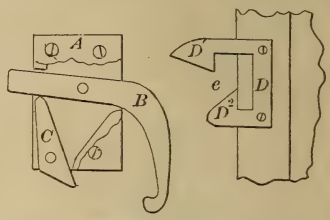
67516—A. Erkenbrecher—*Starch Agitator.*



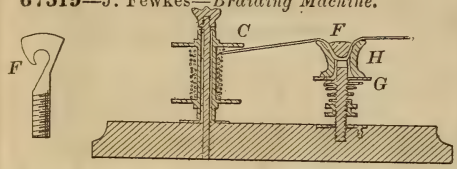
67517—A. B. Fales—*Frying Pan.*



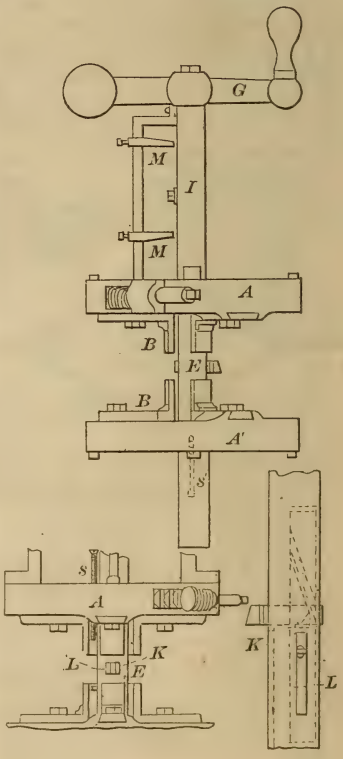
67518—J. B. Farmer—*Latch and Catch.*



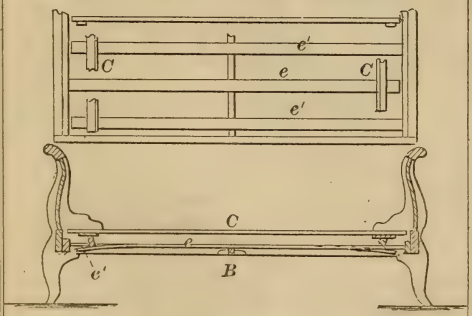
67519—J. Fewkes—*Braiding Machine.*



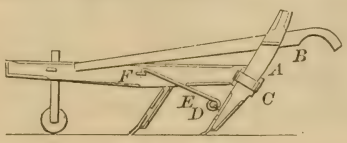
67520—D. Flynn—*For Cutting Key Seats.*



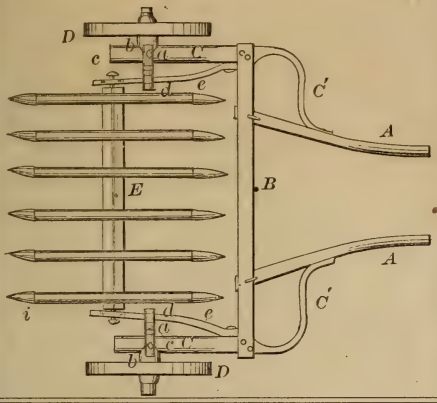
67521—H. A. & A. Follett—*Bed Bottom.*



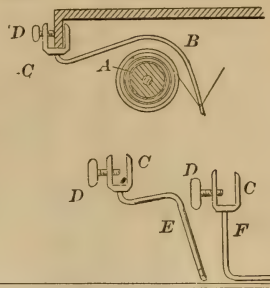
67522—J. Frank—*Cultivator.*



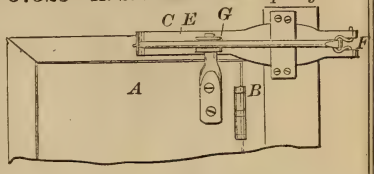
67523—L. W. Frederick—*Horse Rake.*



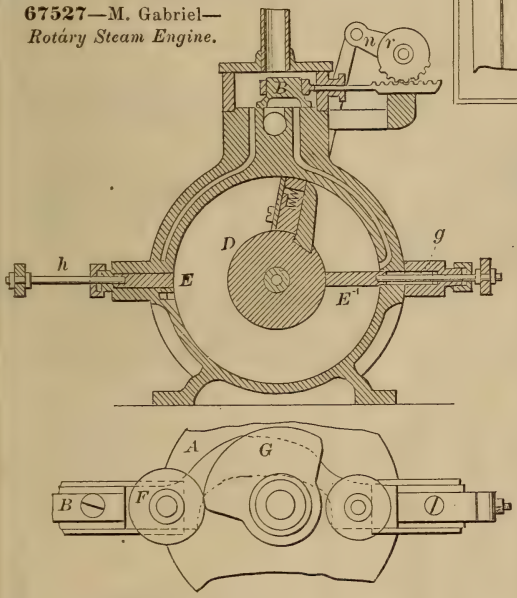
67524—H. E. Frohlich—*Thread Guide for Sewing Machines.*



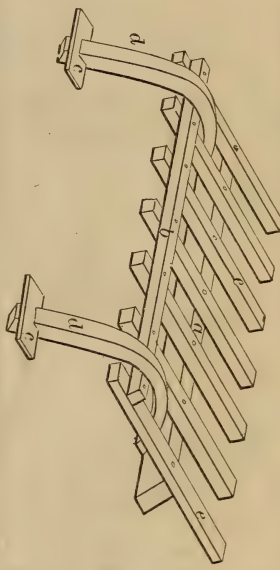
67525—H. S. Frost—*Door Spring.*



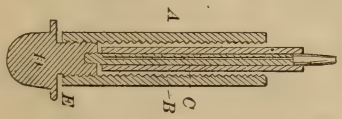
67527—M. Gabriel—*Rotary Steam Engine.*



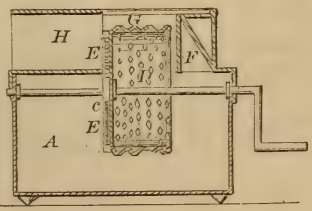
67526—J. Fryling—*Steam Fence.*



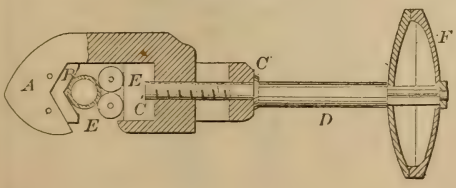
67528—P. Gabriel—*Lead Holder or Pencil.*



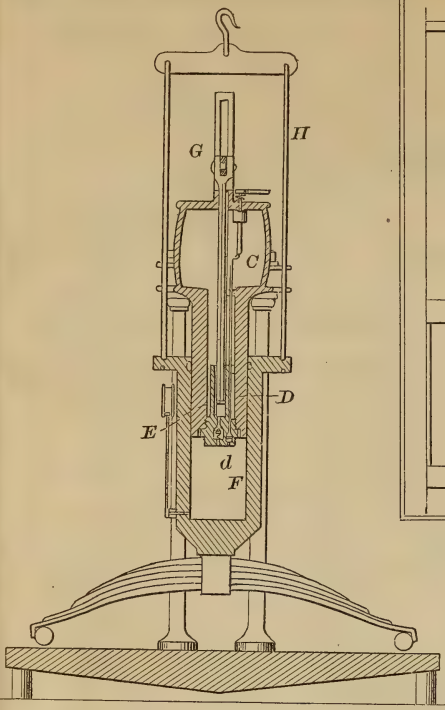
67529—J. Gardiner—*Cocoa Nut Cutter and Grater.*



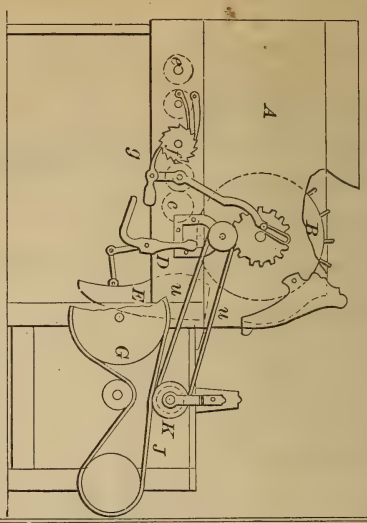
67530—H. Getty—*Tube Cutter.*



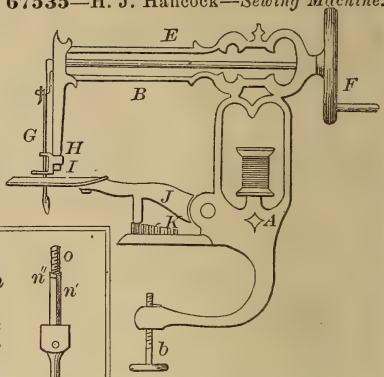
67531—C. Graham—*Hydrostatic Press.*



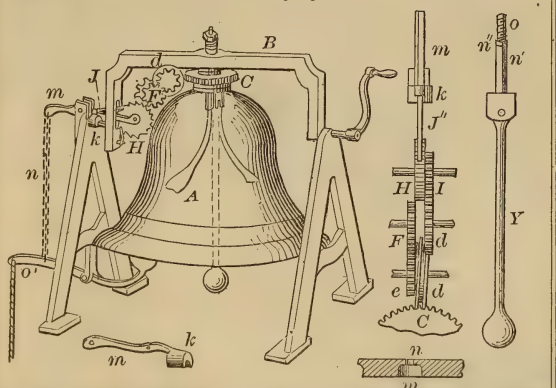
67533—S. Z. Hall—*Feeding Attachment for Cotton Gins.*



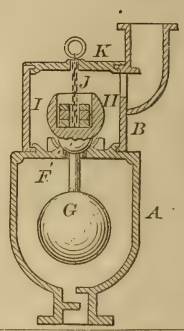
67535—H. J. Hancock—*Sewing Machine.*



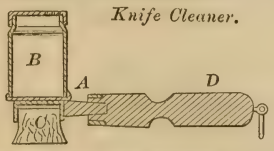
67537—J. Harrison—*For Ringing Bells.*



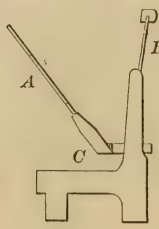
67538—J. G. Harrison—*Steam Safety Valve.*



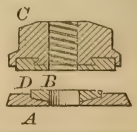
67534—J. F. Hammond—*Knife Cleaner.*



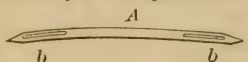
67532—W. A. Griffeth—*Mosquito Net Frame.*



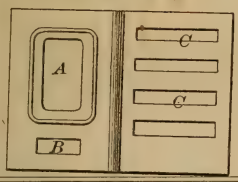
67539—D B. Hart—*Nut and Washer.*



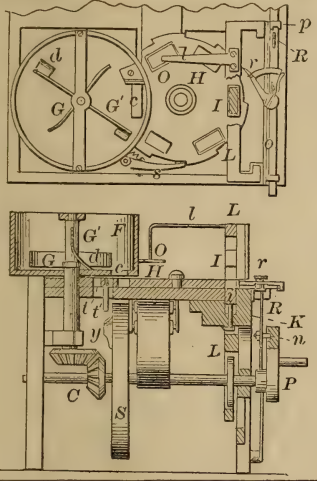
67536—H. A. M. Harris—*Needle for Sewing Machines.*



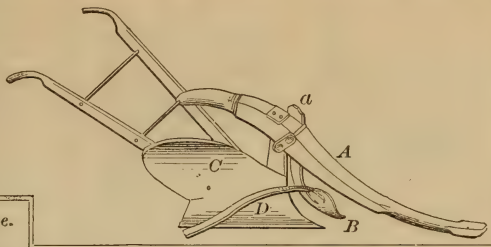
67540—A. Hathaway—*Album.*



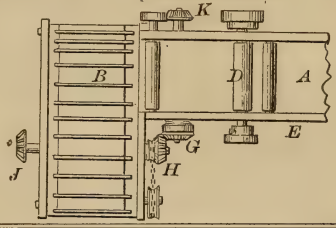
67541—P. Hayden—*Brick Machine.*



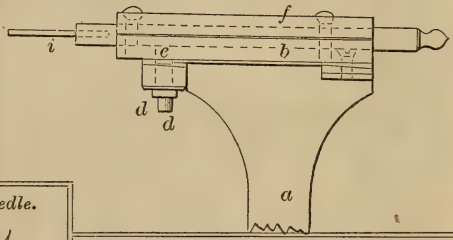
67542—J. C. Henry—*Plow.*



67543—W. Hiler—*Straw Carrier.*

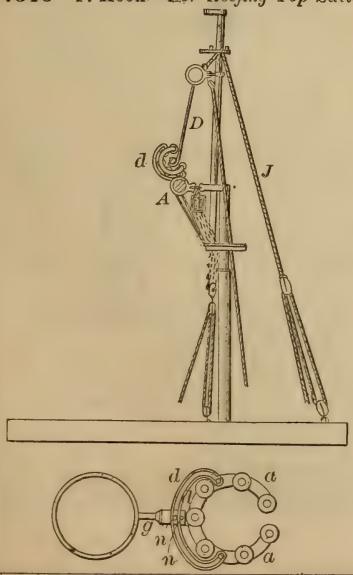


67544—A. C. Hobbs—*Sewing Machine.*

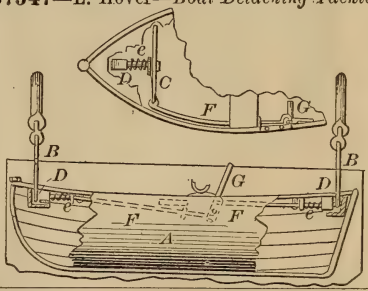


67545—S. Hodgins—*Spiral Fissure Needle.*

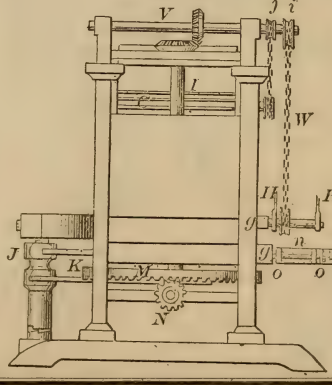
67546—F. Höök—*For Reefing Top Sails.*



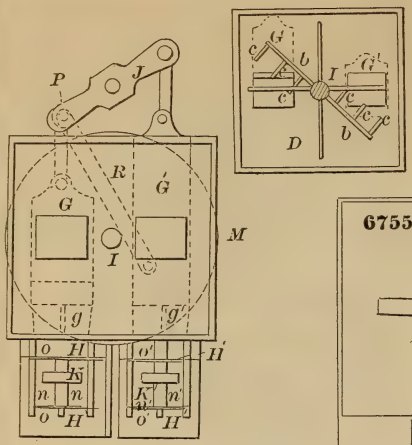
67547—L. Hover—*Boat Detaching Tackle.*



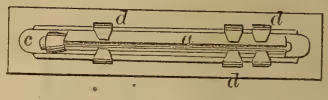
67548—W. H. Hovey—*Brick Machine.*



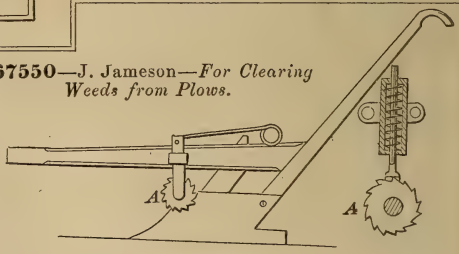
67548—*Continued.*



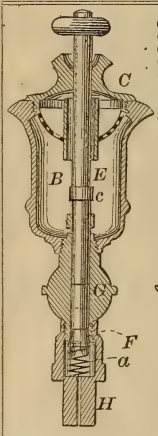
67549—O. D. Hunter—*Bolt.*



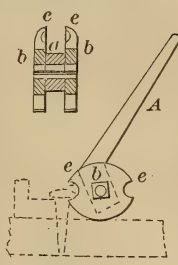
67550—J. Jameson—*For Clearing Weeds from Plows.*



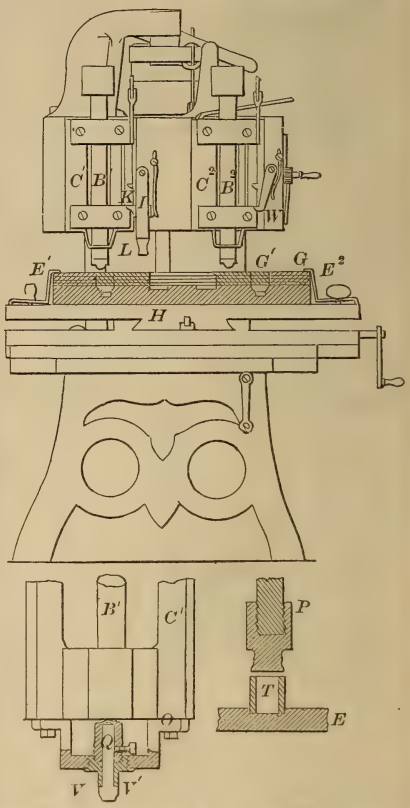
67551—H. & C. Jarecki—*Engine Lubricator.*



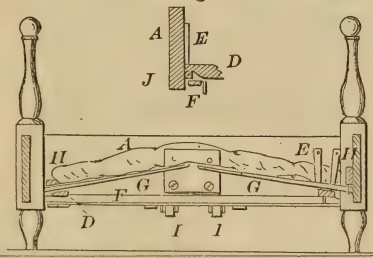
67552—H. Jeffrey—*Nail Extractor.*



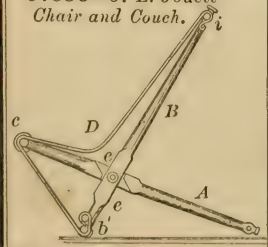
67553—N. Jenkins—*For Making Mouldings.*



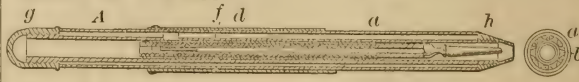
67554—S. C. Jennings—*Bed Bottom.*



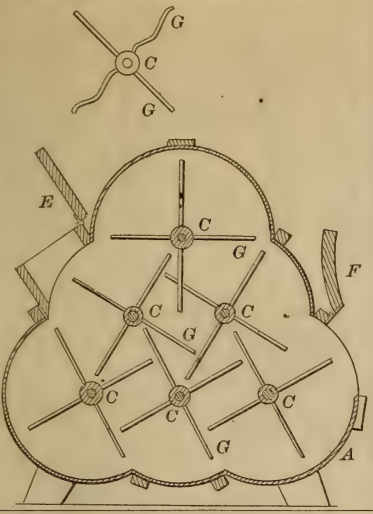
67556—J. E. Jouett—*Chair and Couch.*



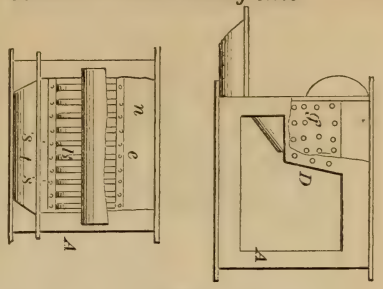
67558—J. H. Knapp—*Pencil Case.*



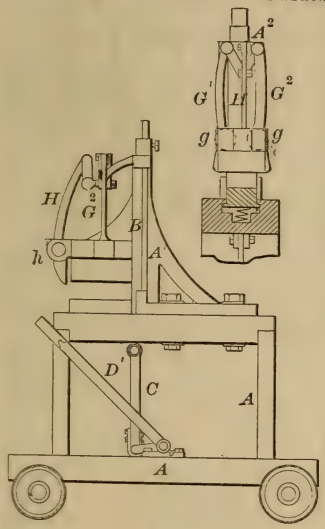
67559—A. J. Loiseau—*For Cleaning and Bleaching Fibrous Material.*



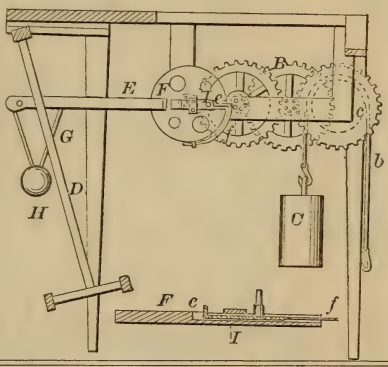
67560—P. Low—*Cooking Stove.*



67561—J McDonald—*Brick Machine.*



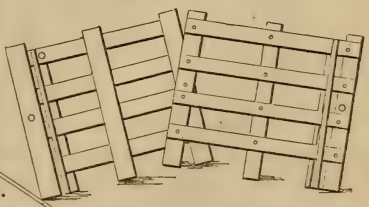
67562—W. A. McReynolds—*Table Fan.*



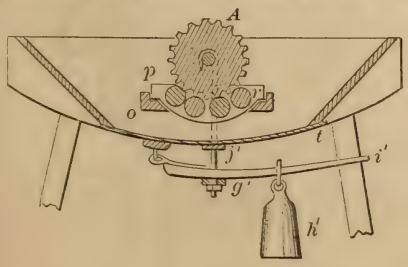
67564—S. Miles—*Portable Fence.*

Fig. 1

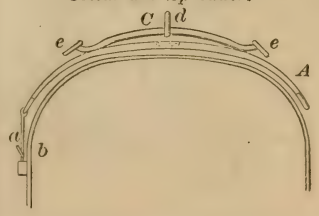
Fig. 2



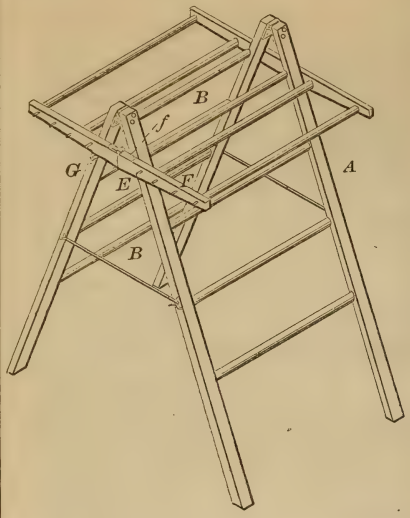
67565—P. H. Munson—*Washing Machine.*



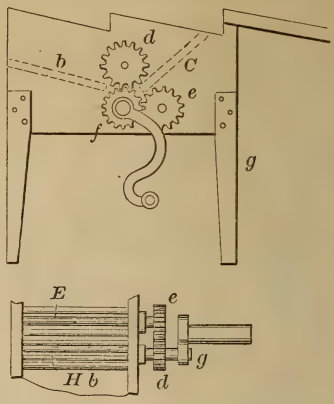
67566—J. M. Myers—*Breast Collar and Spreader.*



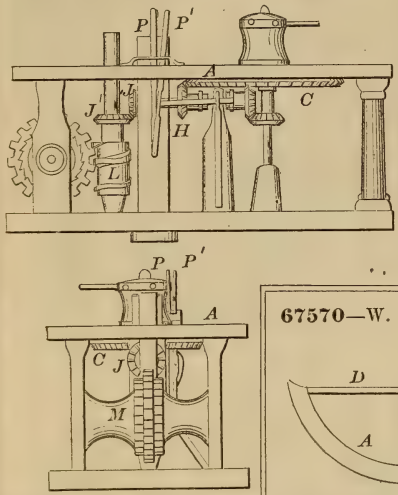
67567—J. J. Newman—*Clothes Dryer.*



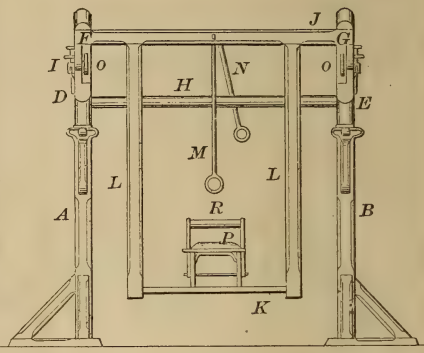
67568—I. C. Nichols—*Beef Steak Preparer.*



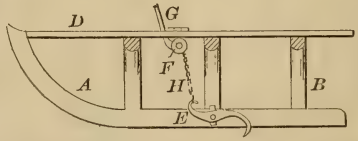
67569—D. P. Nickerson—*Windlass.*



67571—A. B. Nott—*Swing.*

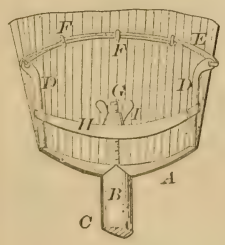


67570—W. A. Niver—*Sleigh Brake.*

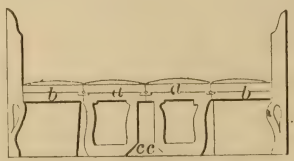


67574—J. C. Palmer—*Rudder.*

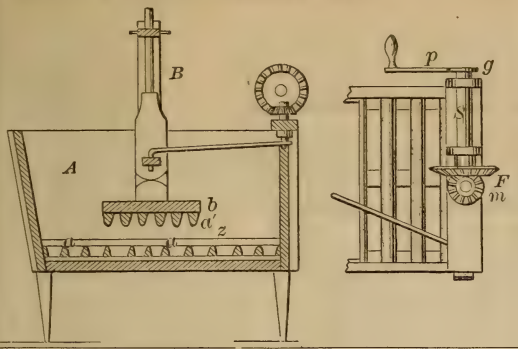
67573—T. G. Packer—*Broom Head.*



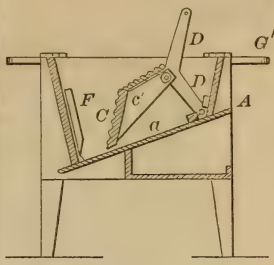
67572—E. H. Olmstead—*Railway Car Seat.*



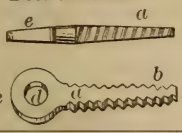
67575—N. Palmiter—*Washing Machine.*



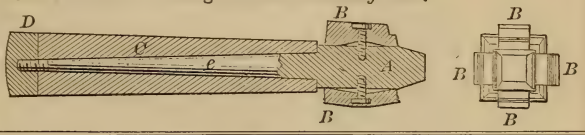
67581—M. S. Prentice—*Washing Machine.*



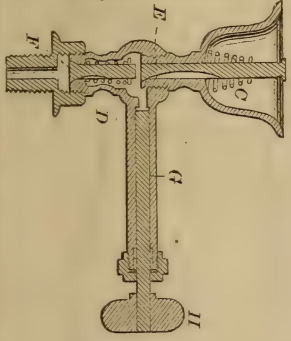
67578—J. Pepper—*Door Fastener.*



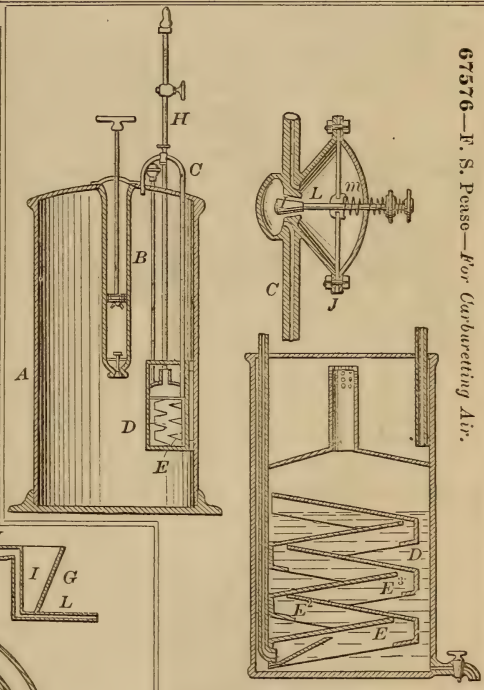
67579—O. P. Pettengill—*Sole Finishing Tool.*



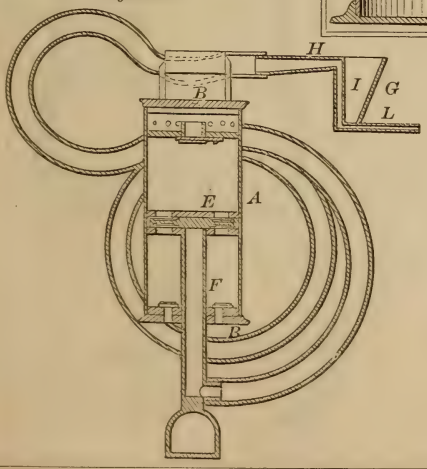
67577—T. G. Pelton—*Steam Engine Lubricator.*



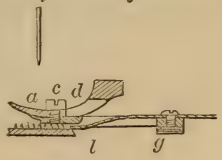
67576—F. S. Pease—*For Carburetting Air.*



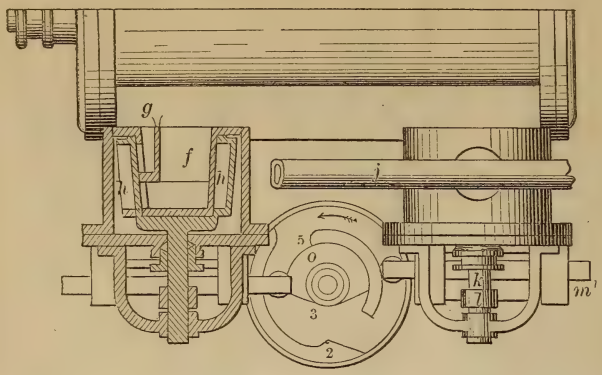
67580—E. W. Poston—*Sand Ejector.*



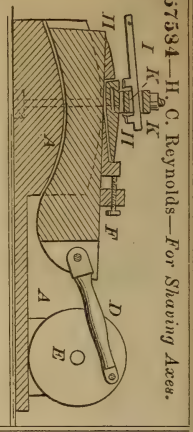
67582—T. K. Reed—*Gathering Device for Sewing Machines.*



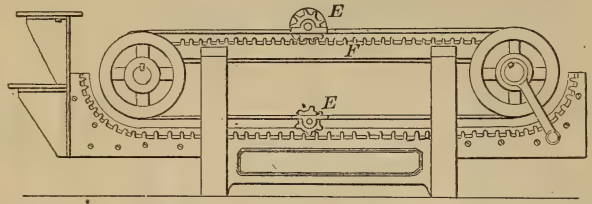
67583—E. Reynolds—*Steam Engine Valve.*



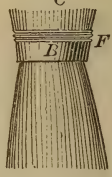
67584—H. C. Reynolds—*For Shaving Axes.*



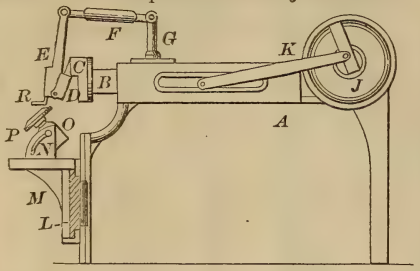
67586—L. Rodney—*Printing Press.*



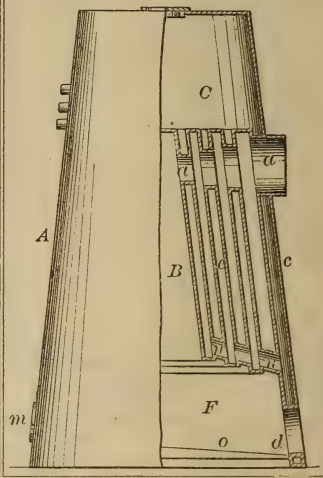
67588—H. Rosenthal—*Paint Brush.*



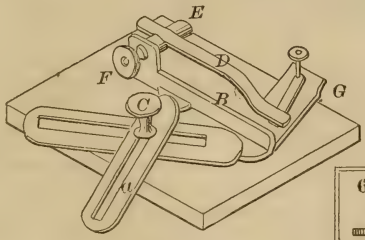
67587—C. E. Roper—*For Cutting Bevel Gears.*



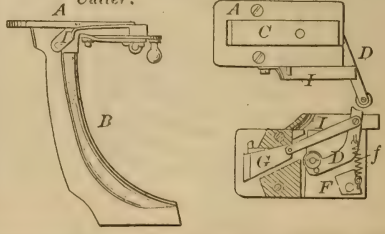
67589—A. Rowe—*Steam Generator.*



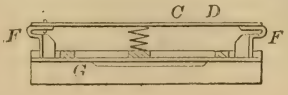
67590—Safford & Masters—*Sewing Machine Guide.*



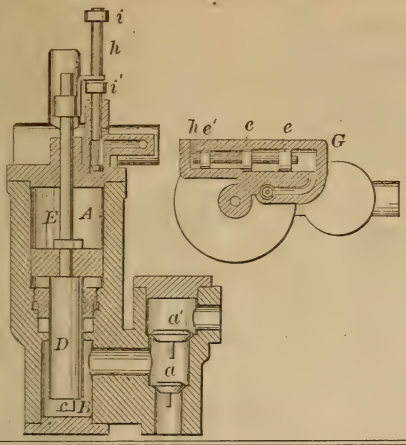
67591—J. A. Sawyer—*Thread Holder and Cutter.*



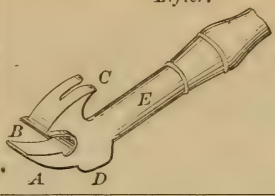
67585—G. W. Robbins—*Bed Bottom.*



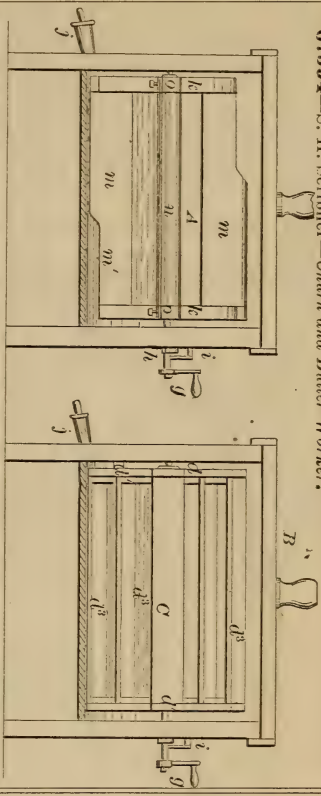
67592—R. Schmidt—*Steam Pump.*



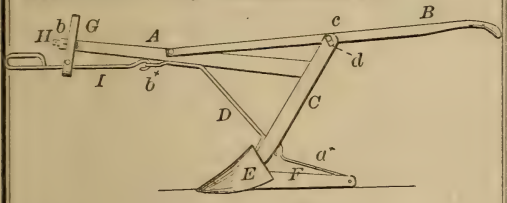
67593—G. B. Scribner—*Stove Lid Lifter.*



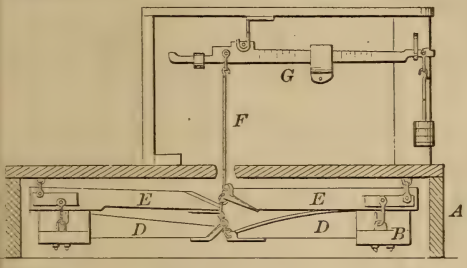
67594—S. H. Scribner—*Churn and Butter Worker.*



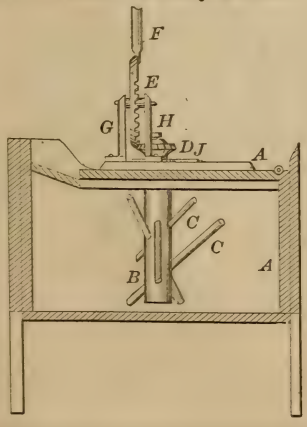
67595—S. F. Seely—*Cultivator and Plow.*



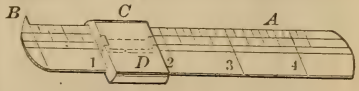
67596—L. M. Severance—*Platform Scales.*



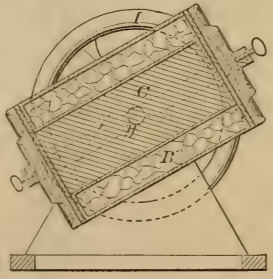
67597—H. Sidle—*Washing Machine.*



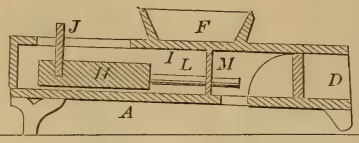
67598—J. T. Siegert—*Heel Measure.*



67599—W. H. Skerrett—*Ice Cream Freezer.*

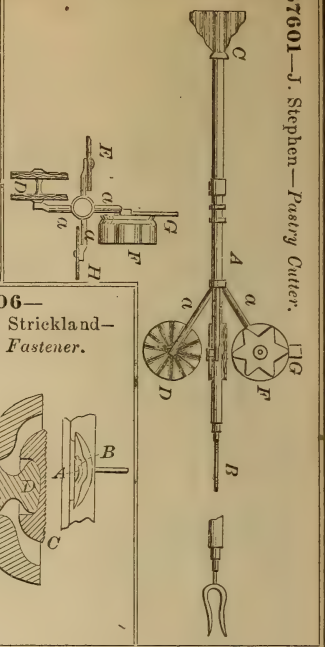


67600—E. Smith—*Cherry Stoner.*

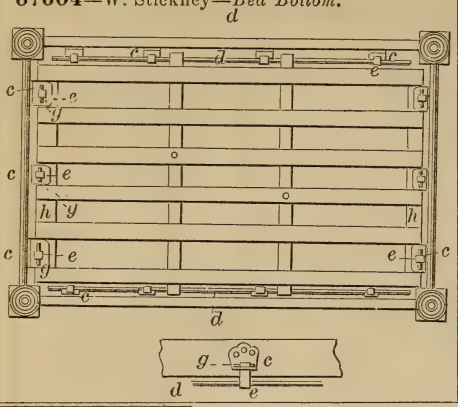


67602—J. Stephen—*Lady's Thimble.*

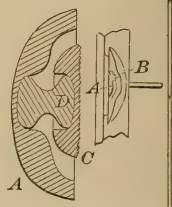
67601—J. Stephen—*Pastry Cutter.*

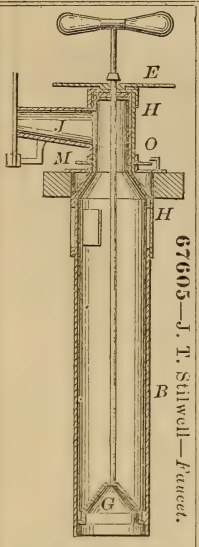


67604—W. Stickney—*Bed Bottom.*



67606—
S. E. Strickland—
Sash Fastener.

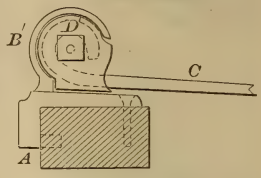




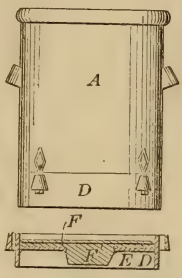
67605—J. T. Stilwell—*Faucet.*

67603—J. Stephen—*Pot Hole Lid.*

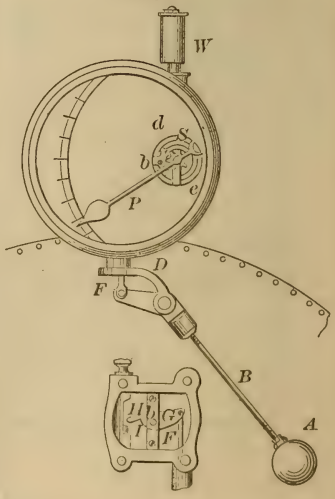
67609—B. C. Taylor—
Horse Rake.



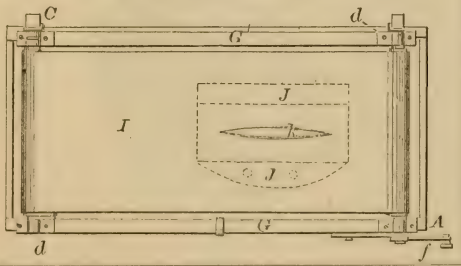
67667—I. A. Sunderland—*Dairy Can.*



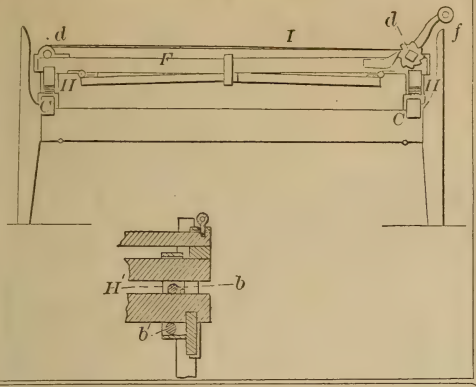
67608—D. M. Swain—*Boiler Water Gauge.*



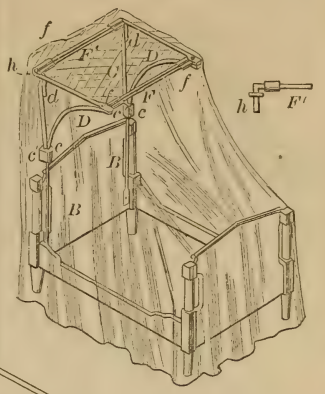
67610—N. Teal—*Invalid Bed Attachment.*



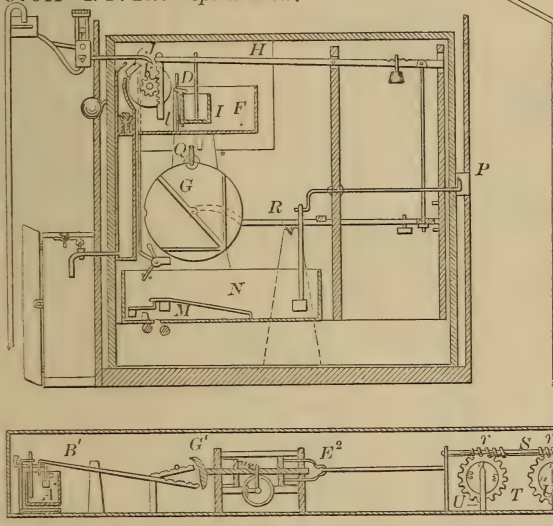
67610—*Continued.*



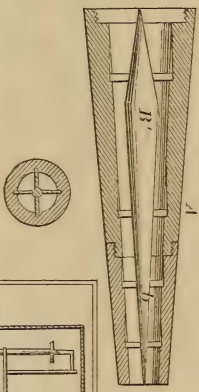
67612—M. L. Treadwell—*Mosquito Net.*



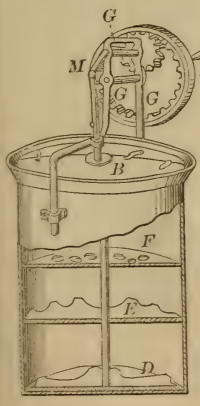
67611—I. P. Tiee—*Spirit Meter.*



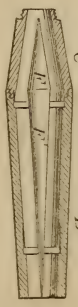
67613—J. Trees—*Hose Nozzle.*



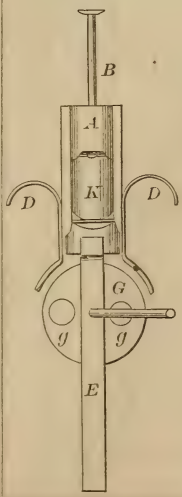
67615—C. A. Van Horn—*Churn.*

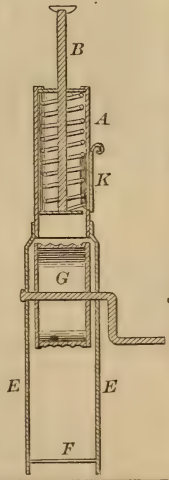


67614—J. Trees—*Water Pipe.*

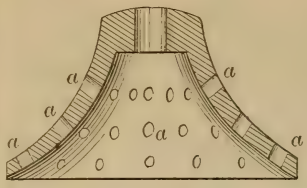


67616—L. Von Frober—*Nutmeg Grater.*

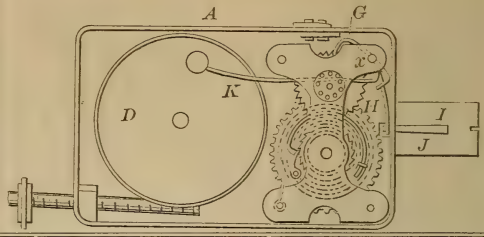




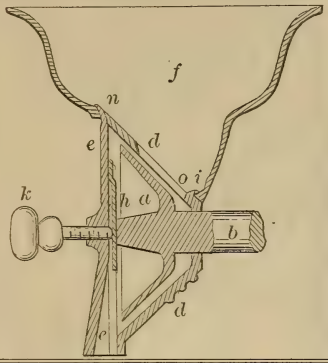
97617—Wallace & Cockerill—*Churn Dasher.*



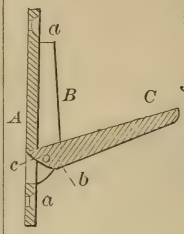
67619—S. Whitaker—*Burglar Alarm.*



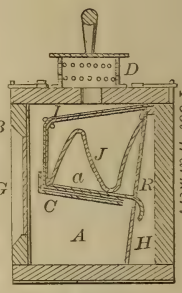
67618—J. Watrous, Jr.—*Coffee Mill.*



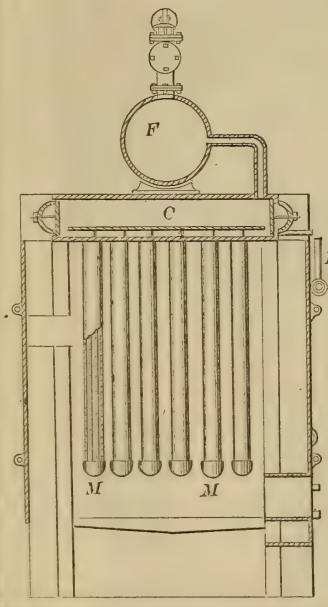
67620—Whitney & Shaw—*Hat Hook for Pews.*



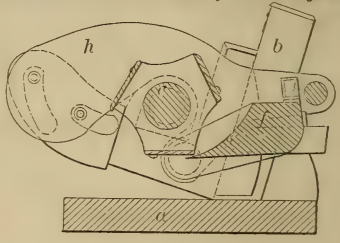
67622—Wirts & Swift—*Lantern and Foot Warmer.*



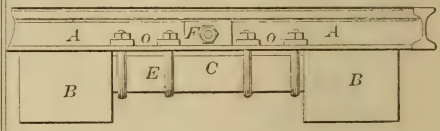
67621—S. T. Wiegand—*Steam Generator.*

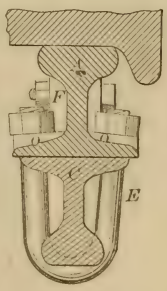


67623—G. E. Woodbury—*Planing Machine.*



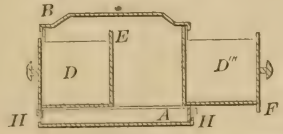
67626—J. Anthony—*Joint Splicer for Railroad Rails.*



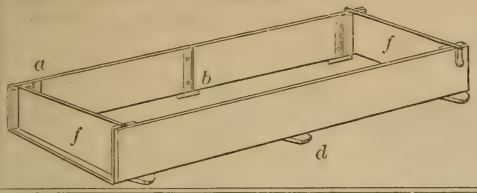


67624—J. E. Wootten—*Rivet.*

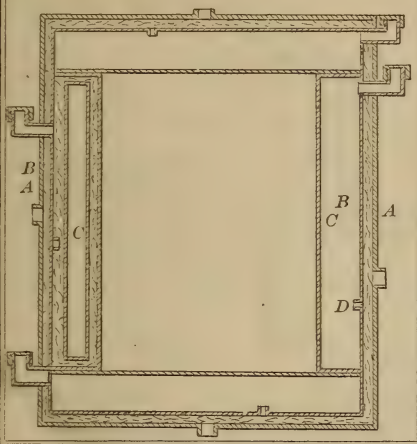
67625—W. E. Andrews—*Spice Box.*



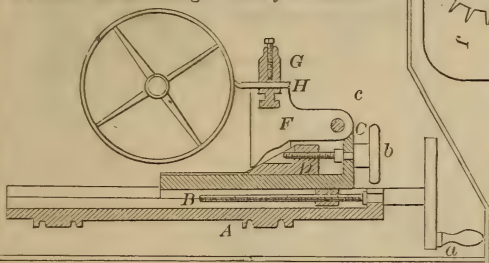
67628—R. Bratton—*Wagon Bed.*



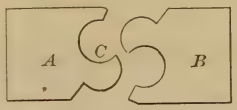
67629—H. H. Bryant—*Filling for Safes.*



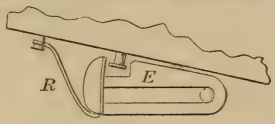
67630—J. E. Burdge—*Rest for Lathes.*



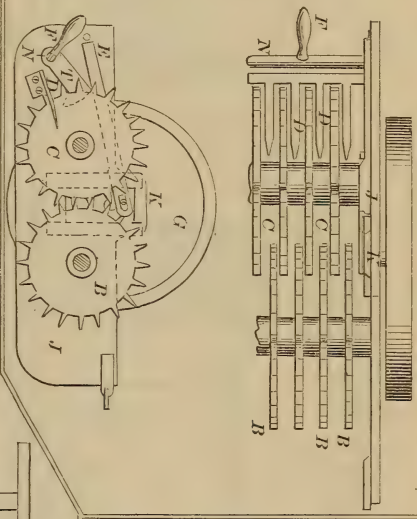
67631—J. H. Burrell, Jr.—*Carriage Coupling.*



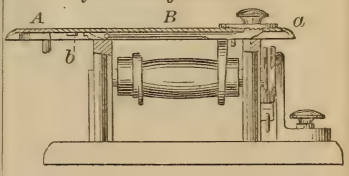
67633—B. F. Carleton—*Window Fastening.*



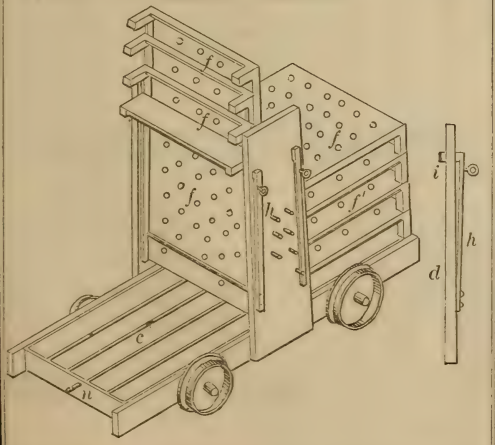
67634—L. Coleman—*Harrow.*



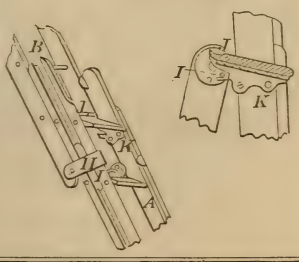
67635—E. H. Craige—*Cloth Plate for Sewing Machines.*



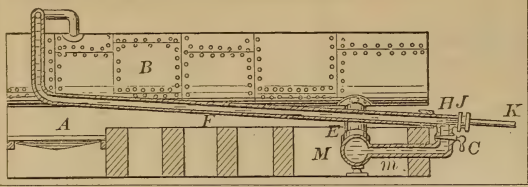
67632—J. K. Caldwell—*Brick Car.*



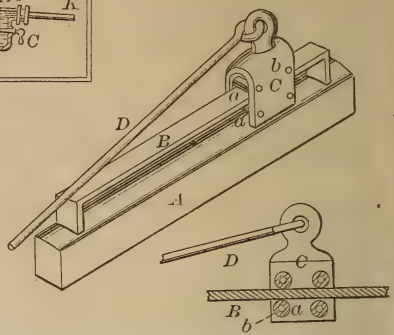
67636—C. Croley—*Ladder.*



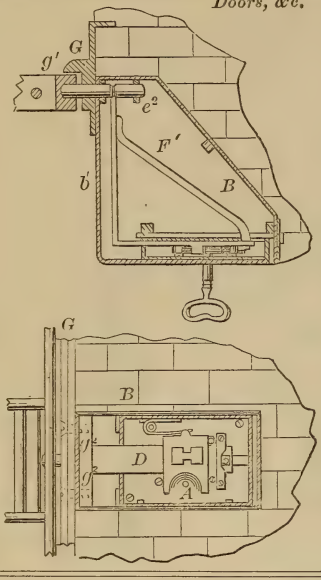
67637—J. M. Dillon—*Steam Generator.*



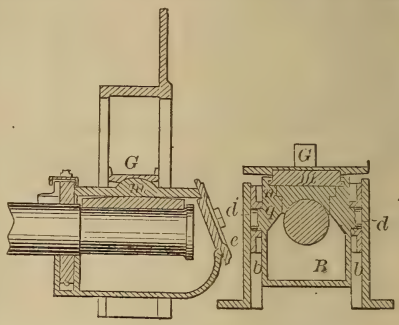
67639—S. H. Downs—*Traveler for the Jib's Boom of Vessels.*



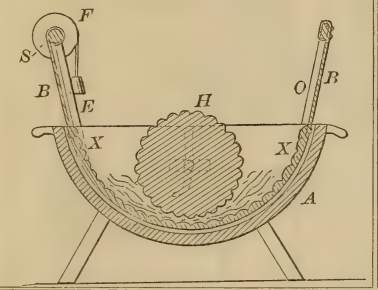
67641—C. E. Felton—*Lock for Prison Doors, &c.*

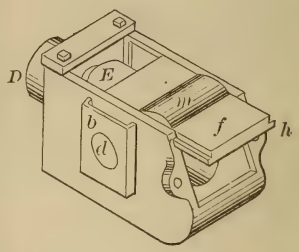


67638—D. H. Dotterer—*Axle Box and Hanger.*

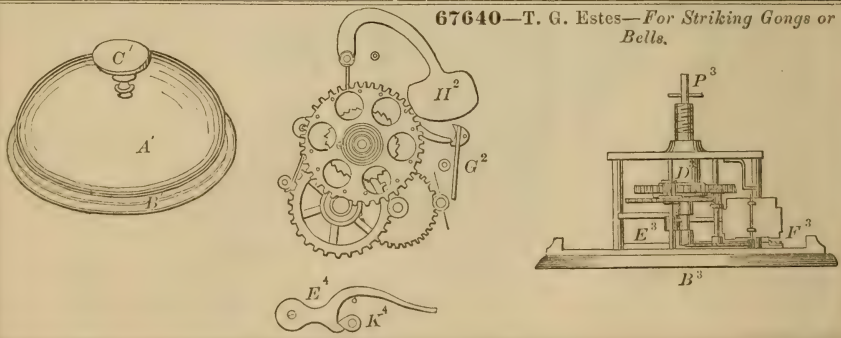


67642—J. B. Francis—*Washing Machine.*

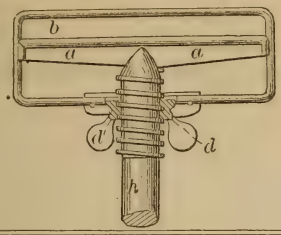




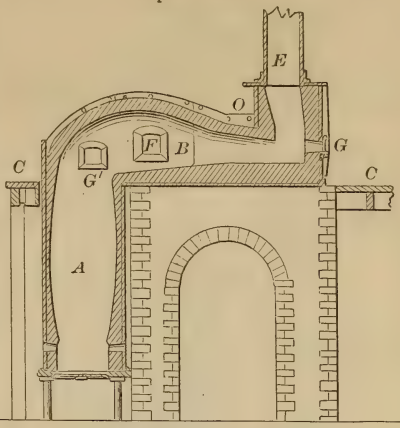
67640—T. G. Estes—*For Striking Gongs or Bells.*



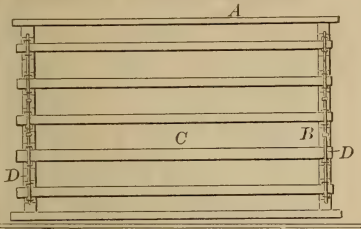
67643—O. S. Garretson—*Mop Head.*



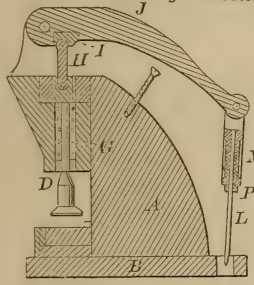
67646—Green & Kay—*Reverberatory and Cupola Furnace.*



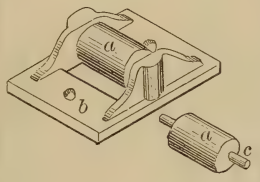
67647—B. Griffin—*Bed Bottom.*



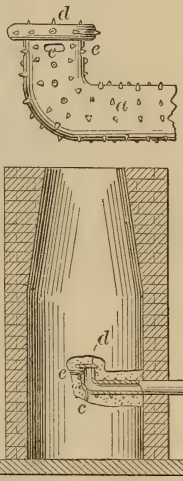
67650—C. H. Helms—*Heel Press for Boots.*



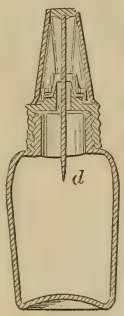
67645—H. Gray—*Trunk Roller.*



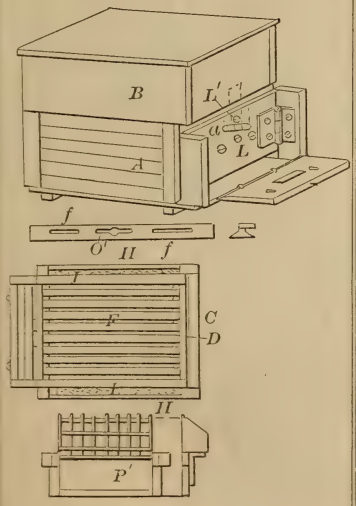
67651—B. H. Hibler—*Tuyere for Blast Furnaces.*



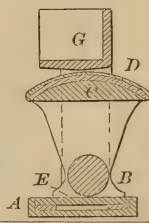
67648—C. Hamilton—*Mucilage Brush.*



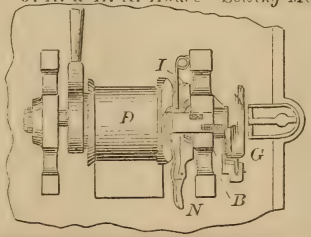
67649—A. H. Hart—*Beehive.*



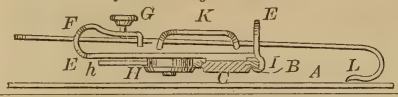
67644—Gilbert & Allen—*Boring Machine.*



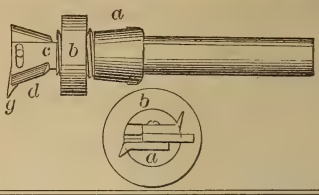
67652—J. A. & H. A. House—*Sewing Machine.*



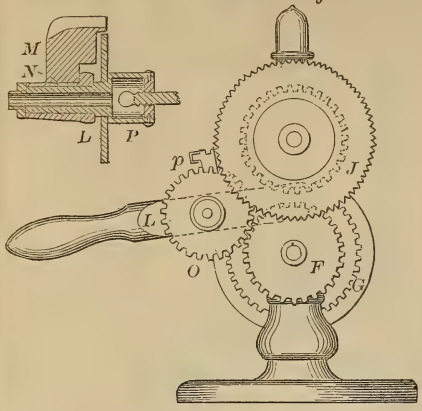
67653—J. A. & H. A. House—*Tucking Gauge for Sewing Machines.*



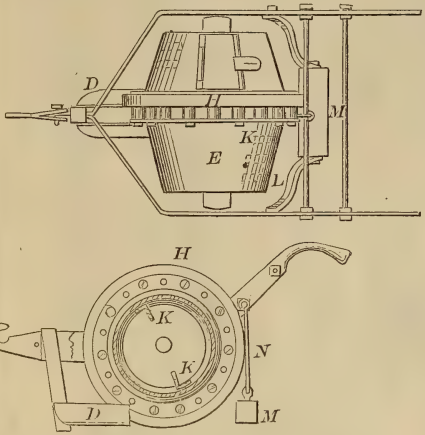
67654—J. C. Hursell—*Dove-Tail Cutter.*



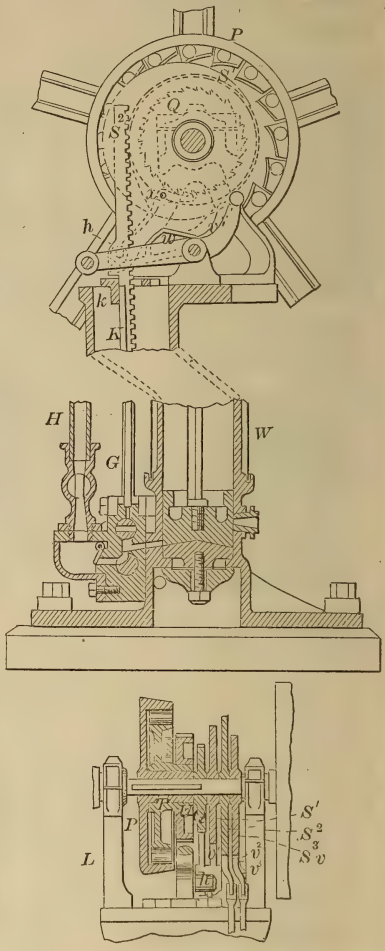
67655—C. Jillson—*Screw Cutting Machine.*



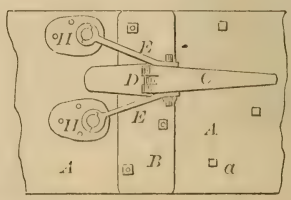
67656—W. D. Johnson—*Seed Planter.*



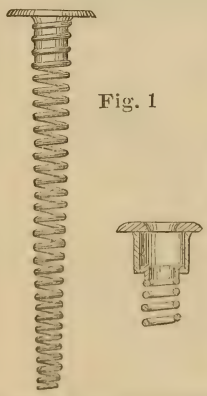
67659—Langen & Otto—*Air Engine.*



67658—O. A. King—*Cheese Hoop.*

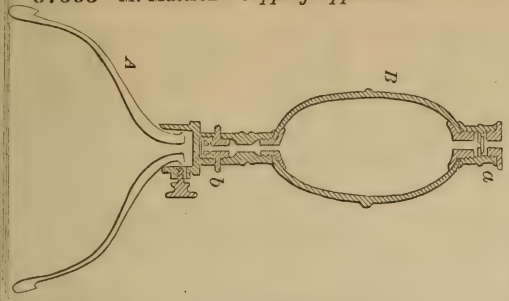


67660—Lighter, Harding & Curtis—*Grain Drill Tube.*

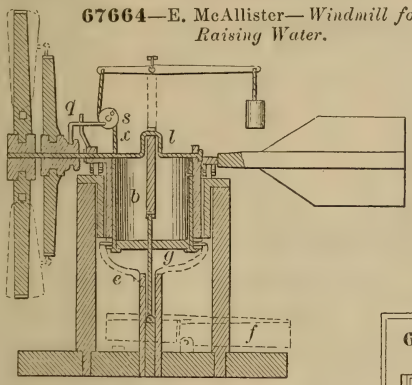


67661—E. A. Locke—*Tag or Label.*

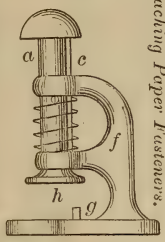
67663—M. Mattson—*Cupping Apparatus.*



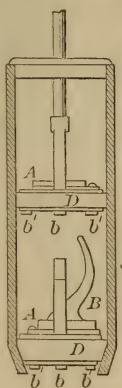
67664—E. McAllister—*Windmill for Raising Water.*



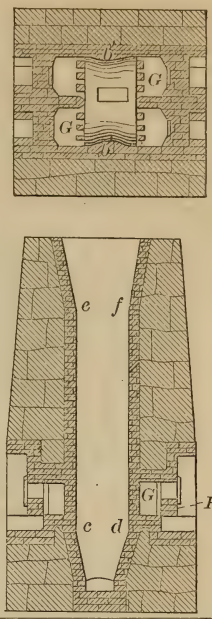
67665—G. W. McGill—*Press for Attaching Paper Fasteners.*



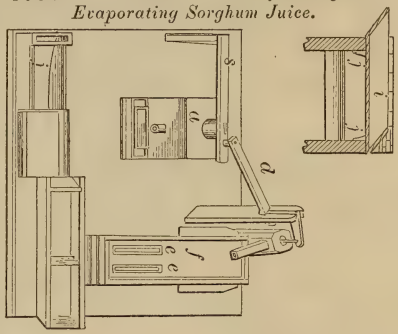
67666—Merrill & Lawrence—*Pump.*



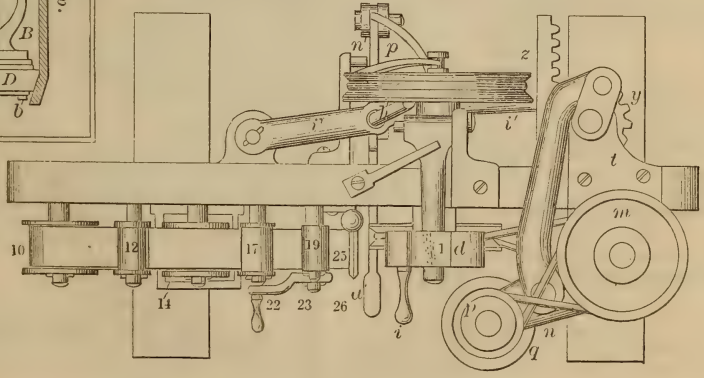
67667—L. Montgomery—*Lime Kiln.*



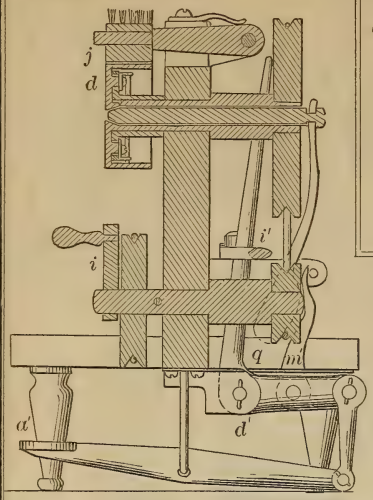
67668—D. B. Neal—*For Defecating and Evaporating Sorghum Juice.*



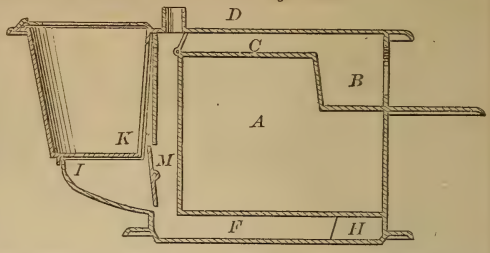
67669—Orr & Wright—*For Making Paper Boxes.*



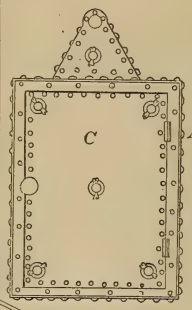
67669—*Continued.*



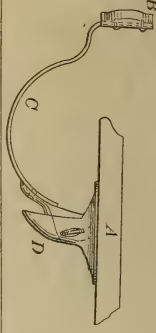
67670—D. E. Paris—*Cooking Stove.*



67672—H. E. Pond—*Receptacle for Harness.*



67674—J. Preston—*Support for Sewing Machine Operators.*



67671—R. Phillips—*Carpenters' Plane.*

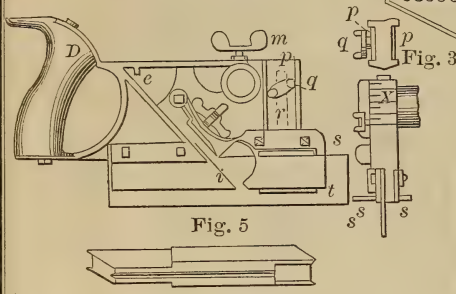
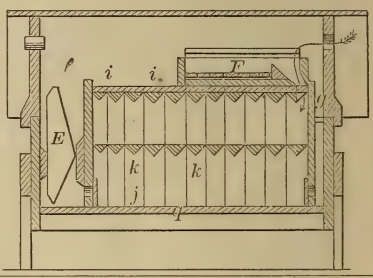
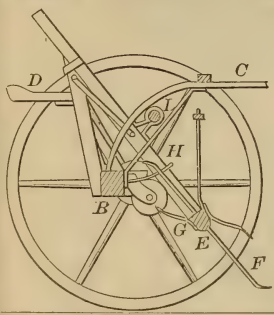


Fig. 5

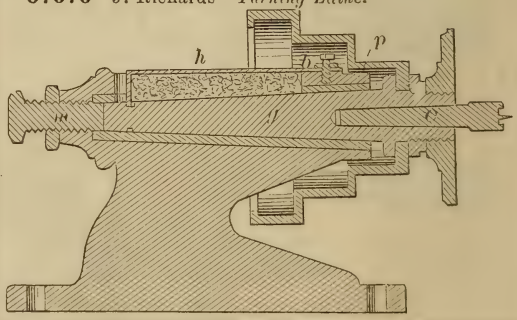
67680—G. Slusser—*Beehive.*



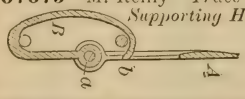
67673—D. Prest—*Horse Rake.*



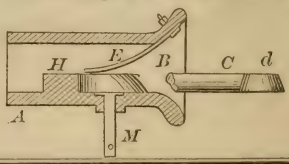
67676—J. Richards—*Turning Lathe.*



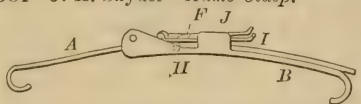
67675—M. Reilly—*Trace Supporting Hook.*



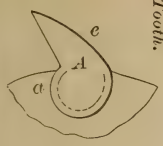
67677—Ridings & Roberts—*Car Coupling.*



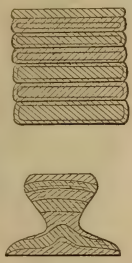
67681—J. H. Snyder—*Hame Clasp.*



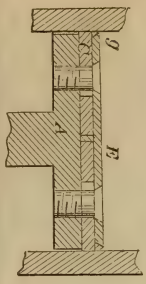
67682—J. W. Strange—*Saw Tooth.*



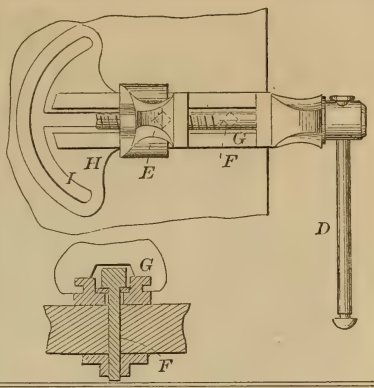
67683—W. A. Sweet—*Fagot for Railroad Rails.*



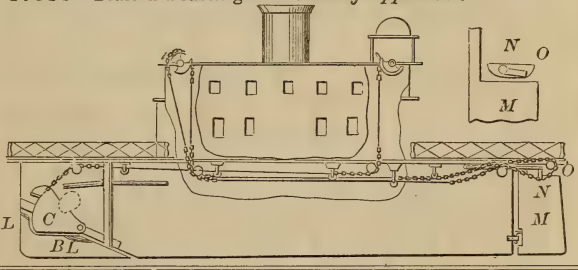
67684—L. Sylvester—*Brick Mould Piston.*



67685—I. C. Tate—*Vise.*

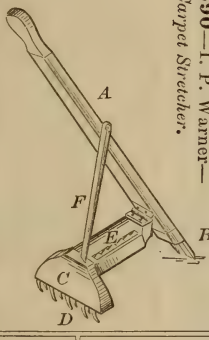


67686—Teale & Brassington—*Steering Apparatus.*

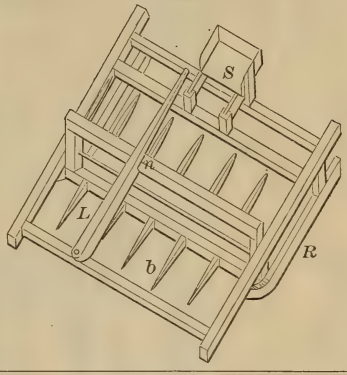


67689—Warne & Pearce—*Hitching Device for Horses.*

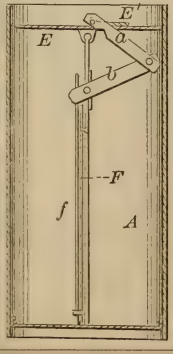
67690—I. P. Warner—*Carpet Stretcher.*

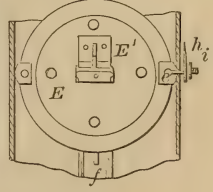


67688—T. J. Turner—*Horse Rake.*

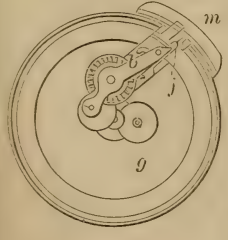


67687—G. A. Townsend—*Automatic Damper.*



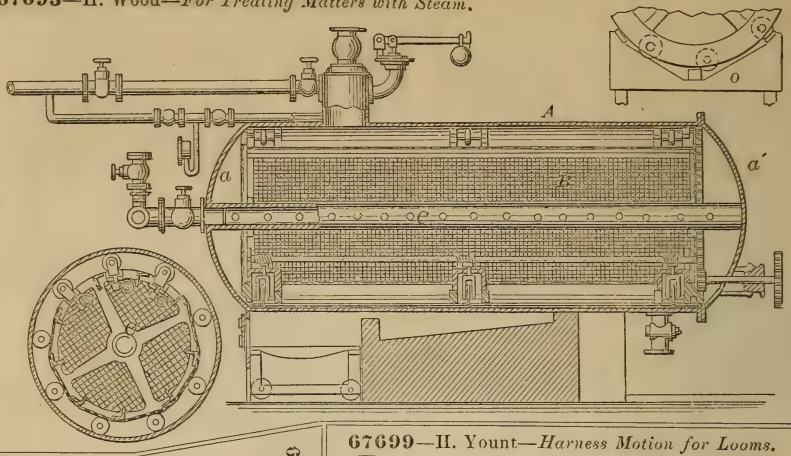


67692—C. V. Woerd—*Stem Winding and Setting Watch.*

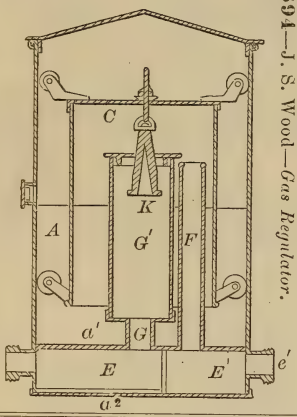


67691—G. M. White—*Shirt Stud.*

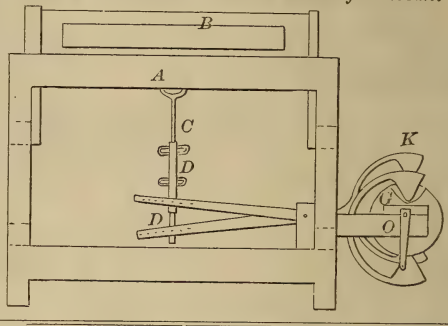
67693—H. Wood—*For Treating Matters with Steam.*



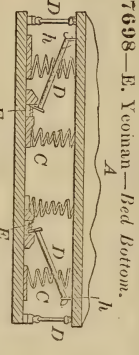
67694—J. S. Wood—*Gas Regulator.*



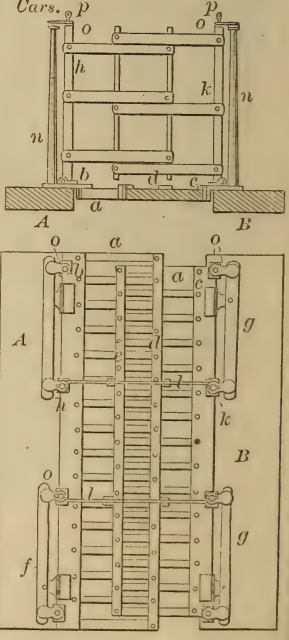
67699—H. Yount—*Harness Motion for Looms.*



67698—E. Yeoman—*Bed Bottom.*



67701—A. H. Allen—*Safety Bridge and Gate for Railroad Cars.*



67695—J. R. Woodworth—*Tuyere.*

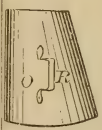
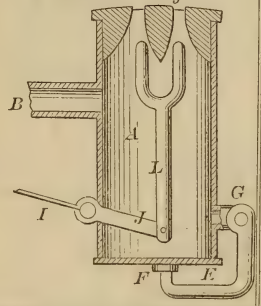
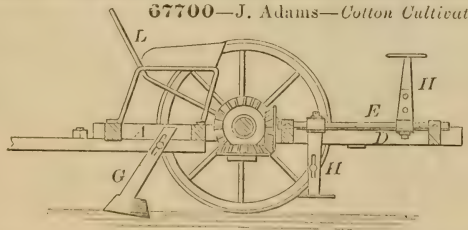



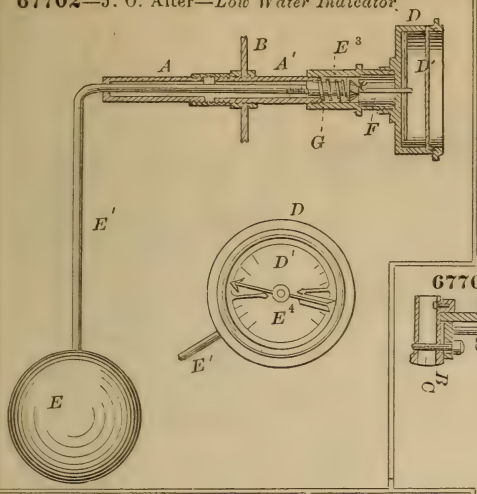
Fig. 6



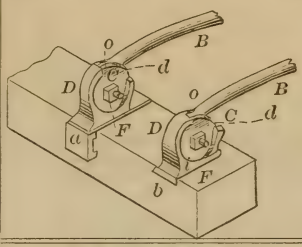
67700—J. Adams—*Cotton Cultivator.*



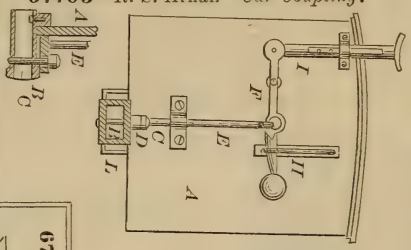
67702—J. O. Alter—*Low Water Indicator.*



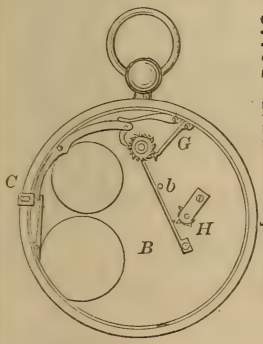
67705—L. B. Ball—*Horse Rake.*



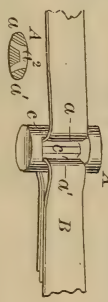
67703—R. S. Arnall—*Car Coupling.*



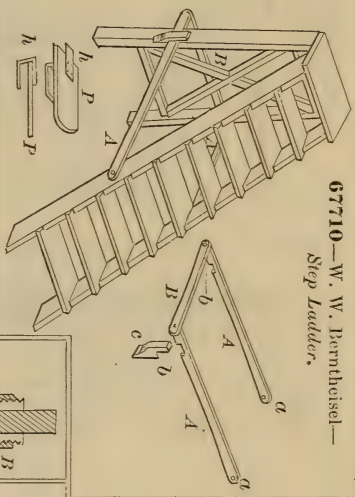
67704—T. Baker—*Stop Watch.*



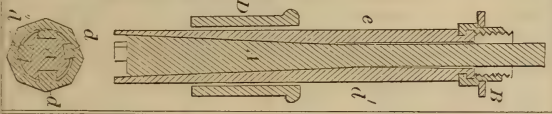
67707—G. N. Beard—*Cotton Bale Tie.*



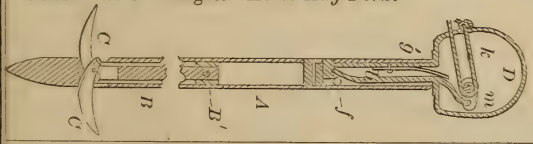
67710—W. W. Berntheisel—*Step Ladder.*



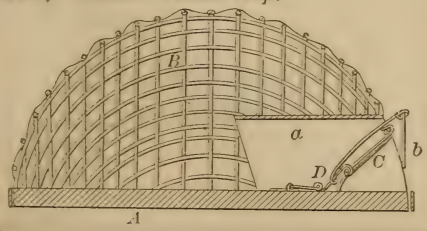
67708—Bechtel, Strahan & Hardy—*Reamer.*



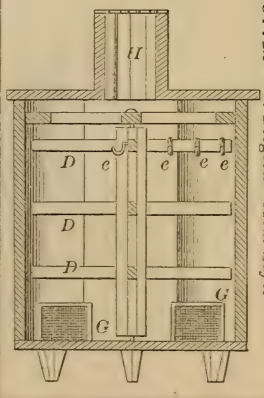
67711—C. C. Blodgett—*Horse Hay Fork.*



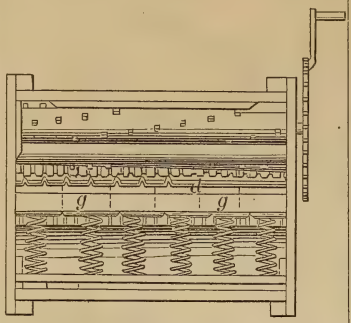
67709—H. Belmer—*Animal Trap.*



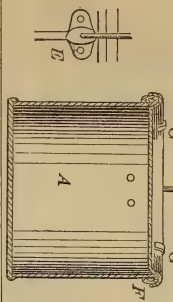
67712—W. Brigton—*Meat Safe.*



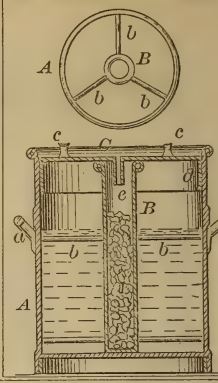
67713—J. Brinkerhoff—*Corn Sheller.*



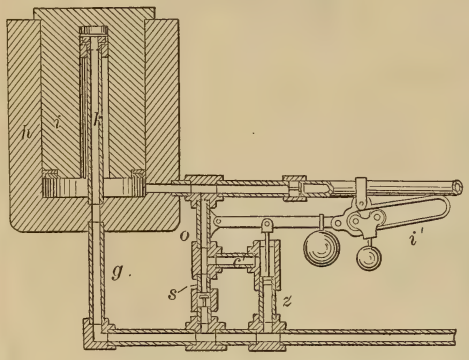
67718—C. Burnham—*Paint Can.*



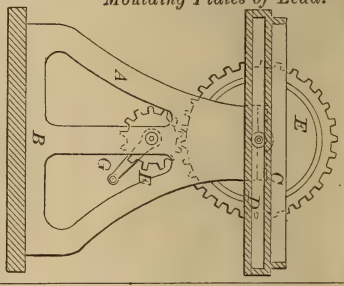
67717—N. C. Burnap—*Milk Cooler.*



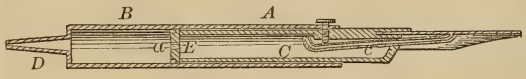
67719—J. T. Burr—*Hydraulic Press.*



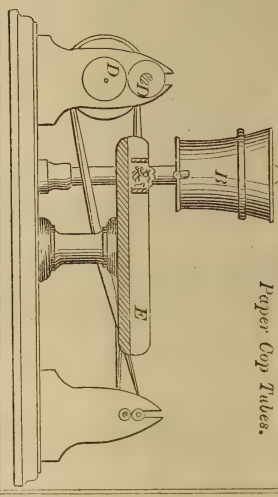
67721—S. E. Chubbuck—*For Moulding Plates of Lead.*



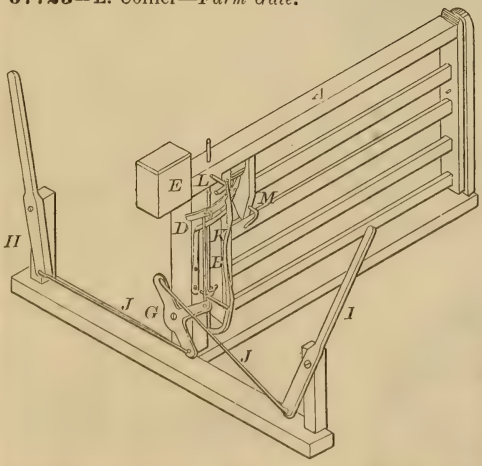
67720—J. S. Charles—*Fountain Pen.*



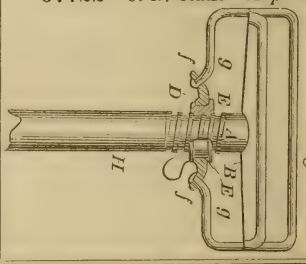
67716—S. Burgess—*Rolling or Winding Paper for Paper Cop Tubes.*



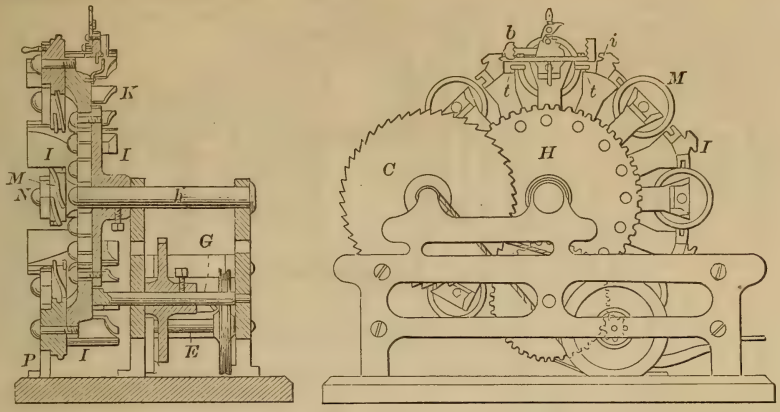
67723—L. Collier—*Farm Gate.*



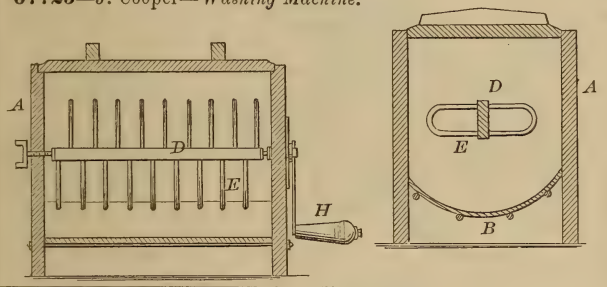
67722—C. B. Clark—*Mop Head.*



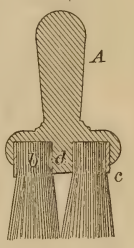
67724—E. B. Cook—*Shingle Machine.*



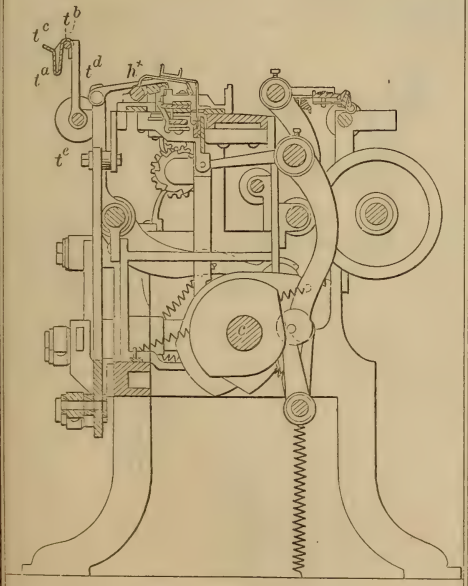
67725—J. Cooper—*Washing Machine.*



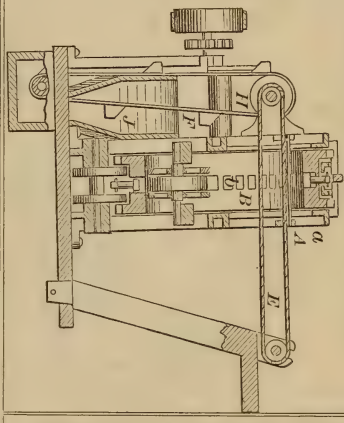
67726—J. S. Costello—*Stencil Brush.*



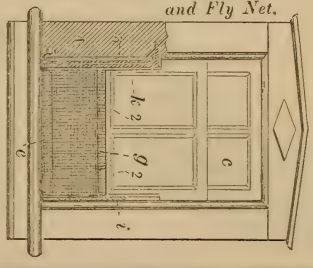
67727—W. Cotton—*Knitting Machine.*



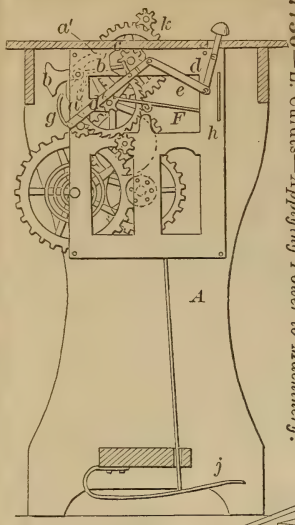
67728—J. W. Crary—*Brick Machine.*



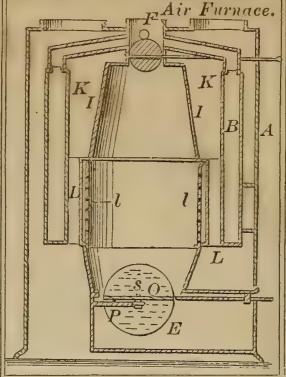
67729—Craw & Randolph—*Mosquito and Fly Net.*



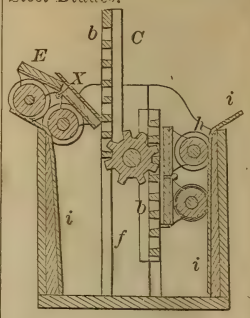
67730—L. Curdts—*Applying Power to Machinery.*



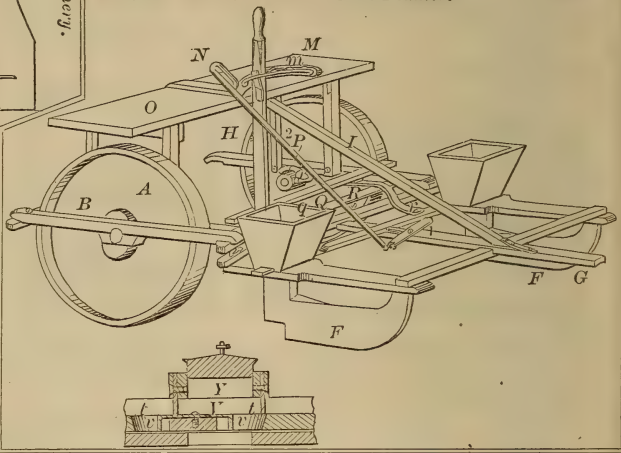
67732—G. B. Davis—*Hot Air Furnace.*



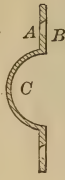
67734—H. Disston—*Hardening and Straightening Steel Blades.*



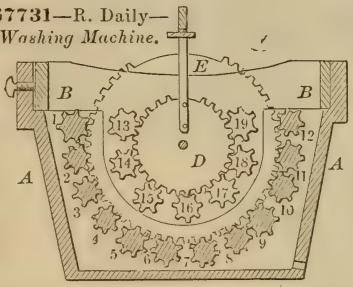
67735—W. A. Donnell—*Corn Planter.*

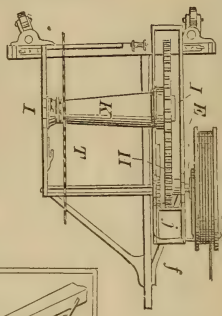


67737—Dunbar & McNaught—*Device for Firing Barrels, &c.*

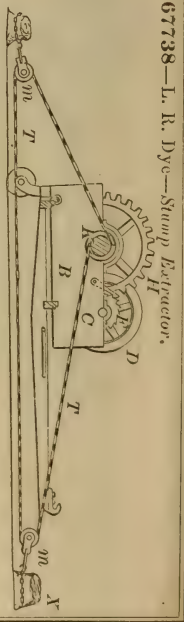


67731—R. Daily—*Washing Machine.*

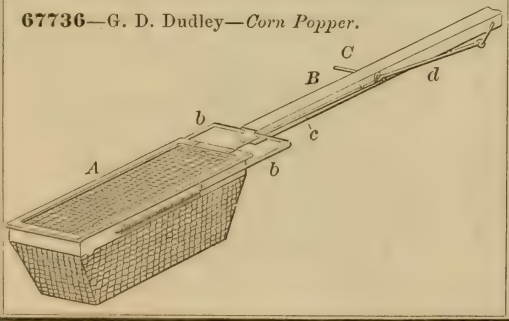


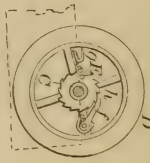


67738—L. R. Dye—*Stump Extractor.*

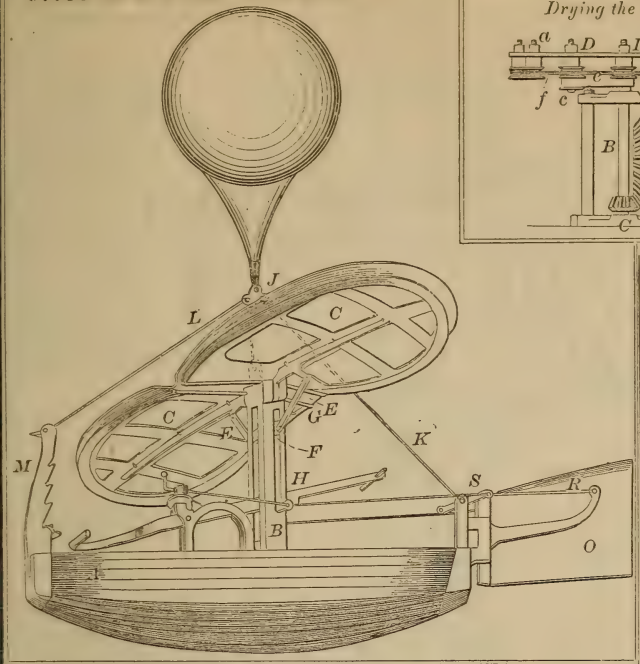


67736—G. D. Dudley—*Corn Popper.*

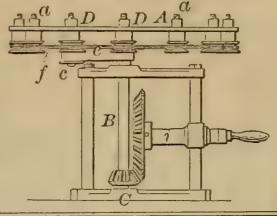




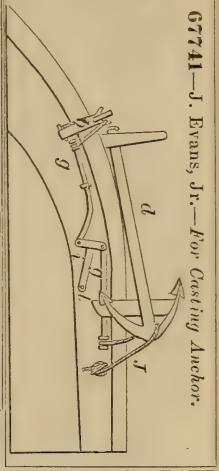
67739—J. A. Elston—*Aerial Machine.*



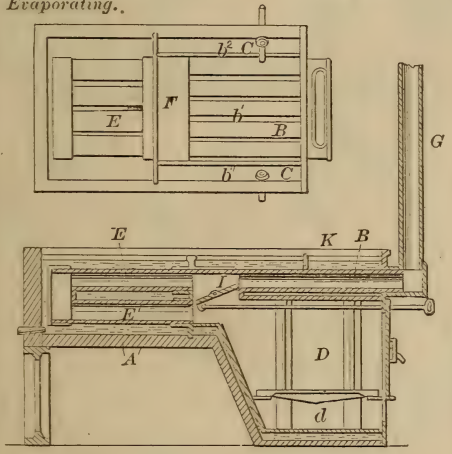
67740—M. Esselen—*For Raising and Drying the Naps of Hats.*



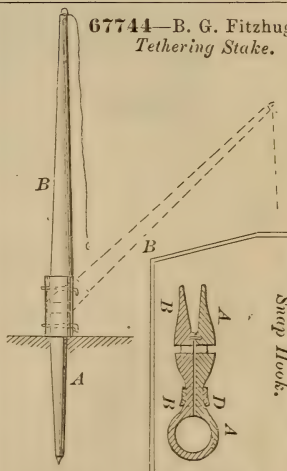
67741—J. Evans, Jr.—*For Casting Anchor.*



67742—Farquhar & Doan—*For Heating and Evaporating.*

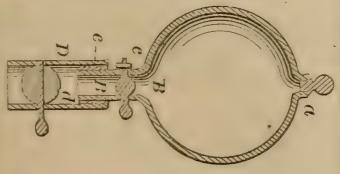


67744—B. G. Fitzhugh—*Tethering Stake.*

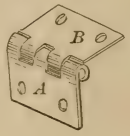


67746—W. S. Furlow—*Snap Hook.*

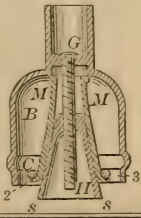
67743—E. Faull—*Lubricator.*



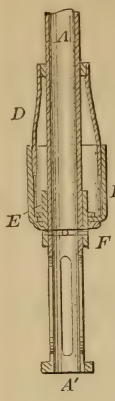
67747—C. Goodrich—*Butt Hinge.*



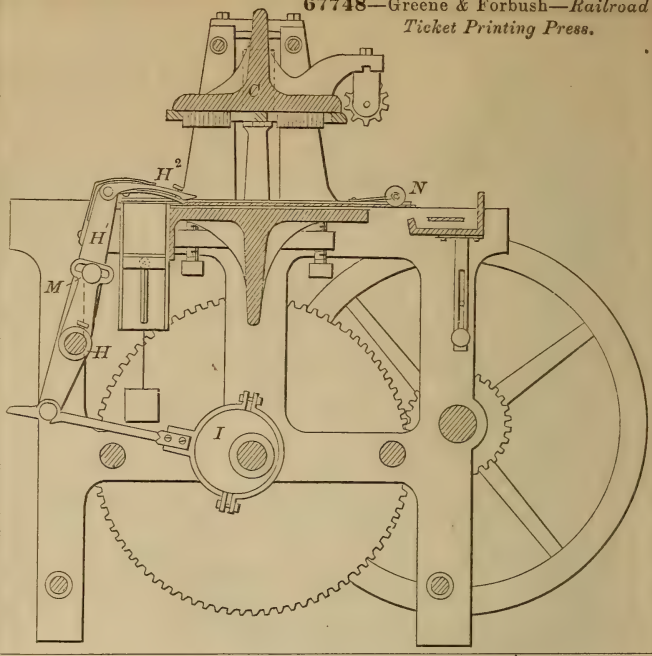
67745—W. H. Forker—*Brush.*

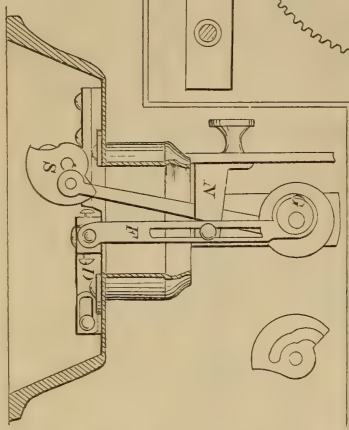


67749—A. D. Griffin—*Packing for Deep Wells.*

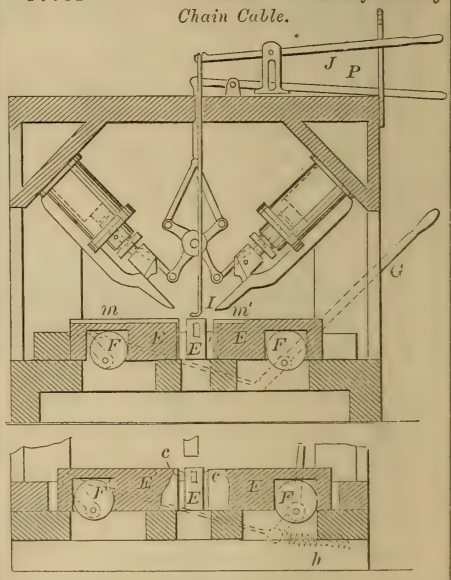


67748—Greene & Forbush—*Railroad Ticket Printing Press.*

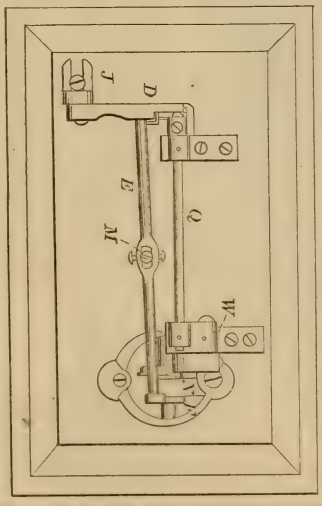




67751—W. D. Grimshaw—*For Manufacturing Chain Cable.*

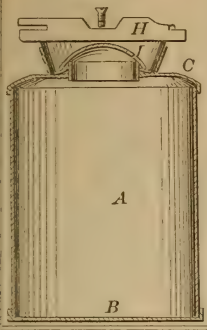


67752—H. W. Hadley—*Sewing Machine.*

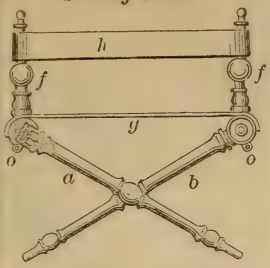


67753—J. R. Haggerty—*Hemmer for Sewing Machines.*

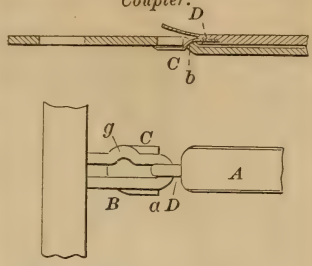
67754—J. Haines—*Fruit Can.*



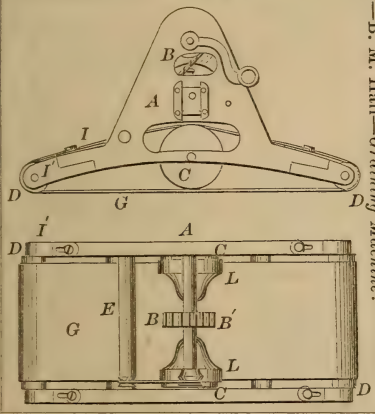
67759—P. J. Hardy—*Folding Chair.*



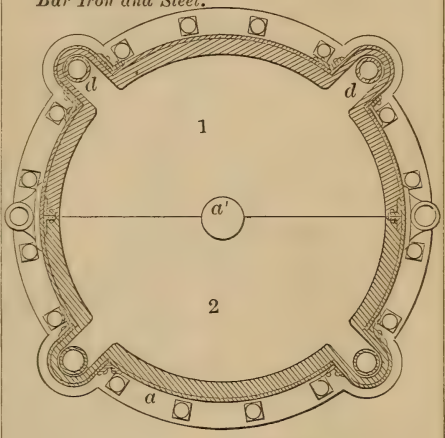
67761—P. A. Hause—*Trace Coupler.*



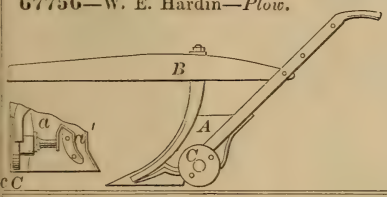
67755—B. M. Hall—*Graining Machine.*



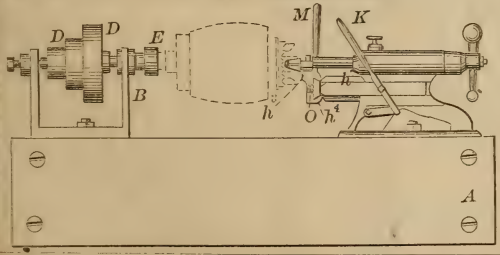
67762—J. Heaton—*Converting Cast Iron into Bar Iron and Steel.*



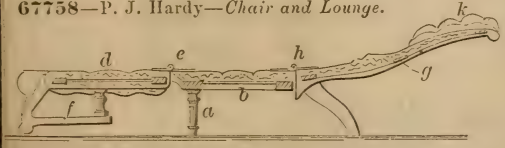
67756—W. E. Hardin—*Plow.*

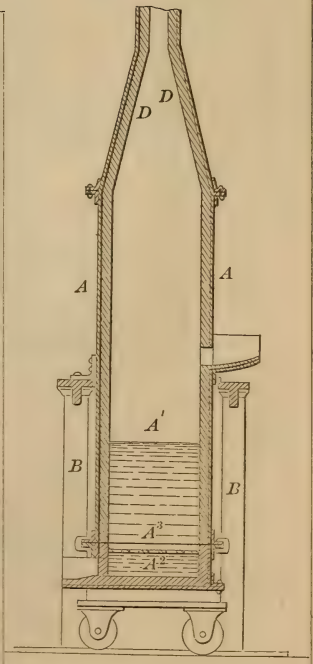


67757—S. L. Hart—*Wood Turning Lathe.*

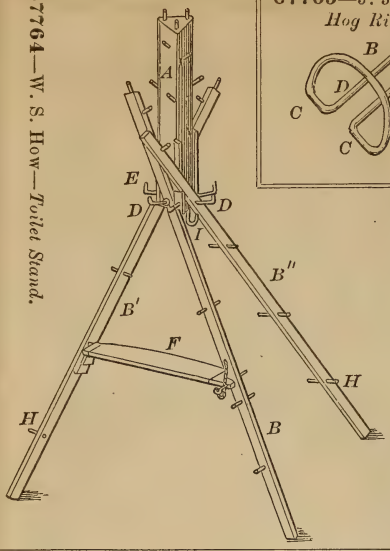


67758—P. J. Hardy—*Chair and Lounge.*

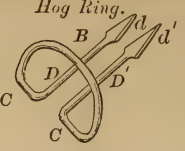




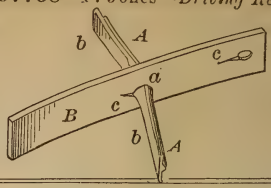
67764—W. S. How—*Toilet Stand.*



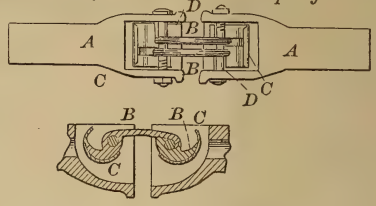
67765—J. J. Hutson—*Hog Ring.*



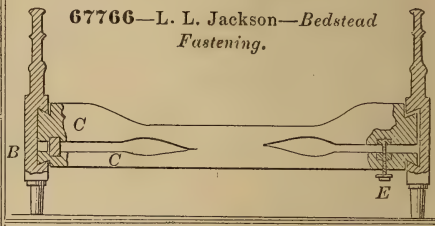
67768—P. Jones—*Driving Rein.*



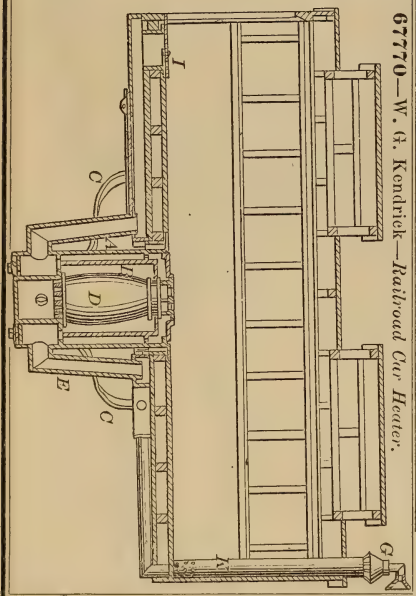
67767—J. H. Jones—*Car Coupling.*



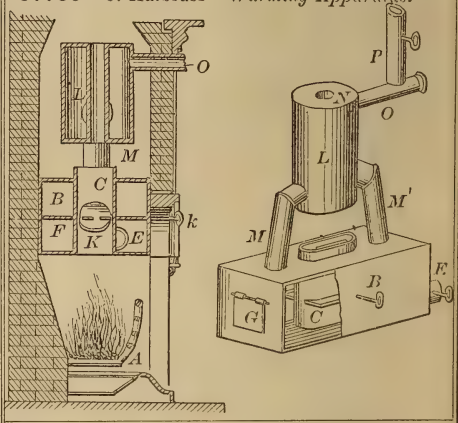
67766—L. L. Jackson—*Bedstead Fastening.*



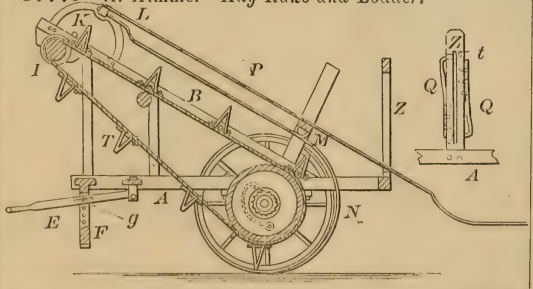
67770—W. G. Kendrick—*Railroad Car Heater.*



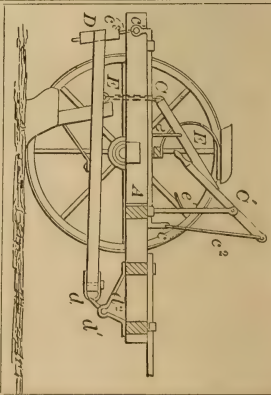
67769—C. Kalbfuss—*Warming Apparatus.*



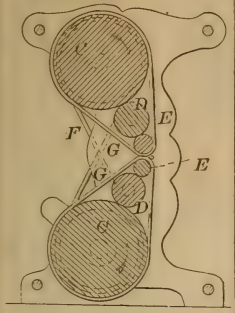
67771—H. Kimmel—*Hay Rake and Loader.*



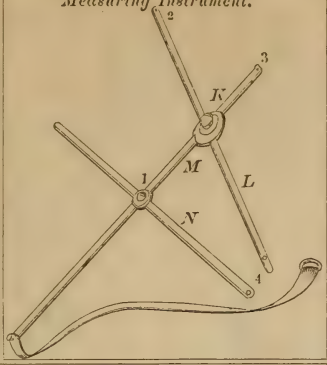
67772—J. D. Kincaid—*Plow.*



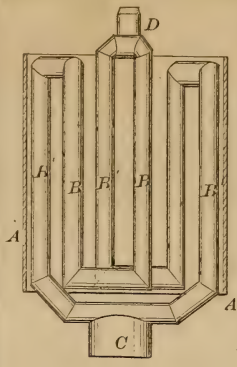
67773—J. W. Kokemuller—*Cotton Gin.*



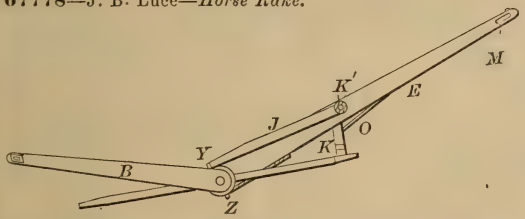
67774—J. M. Krider—*Tailors' Measuring Instrument.*



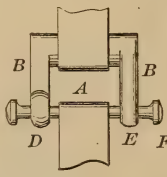
67779—J. A. Marvin—*Stove Pipe Drum.*



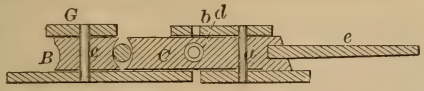
67778—J. B. Luce—*Horse Rake.*



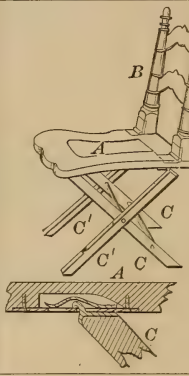
67777—L. Littlejohn—*Cotton Bale Tie.*



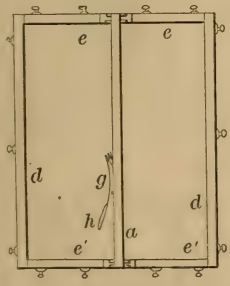
67775—J. D. Leach—*Ship's Block and Warping Chock.*

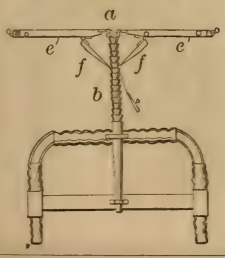


67780—Mason & Downe—*Folding Chair.*

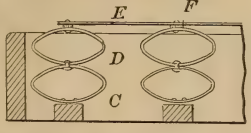


67784—D. McHugh—*Mosquito Bar.*

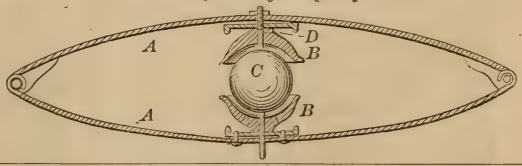




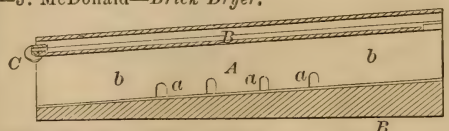
67776—M. Le Page—*Spring Bed Bottom.*



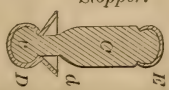
67782—E. P. McCarthy—*Wagon Spring.*

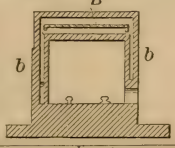


67783—J. McDonald—*Brick Dryer.*

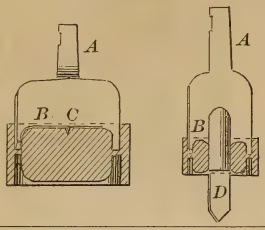


67781—J. Matthews, Jr.—*Bottle Stopper.*

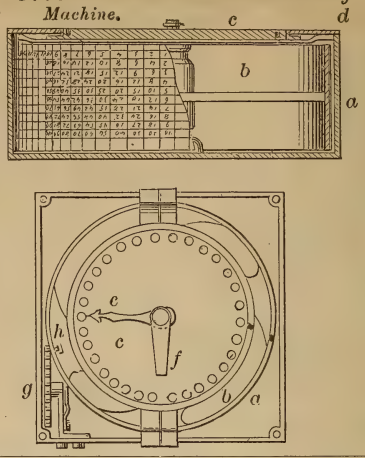




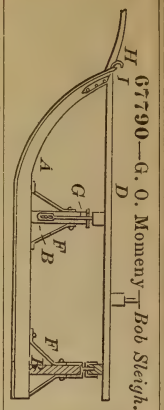
67785—McMillan & Devoe—*Centre Bit.*



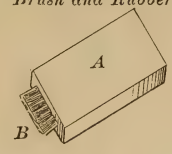
67786—A. Mendenhall—*Calculating Machine.*



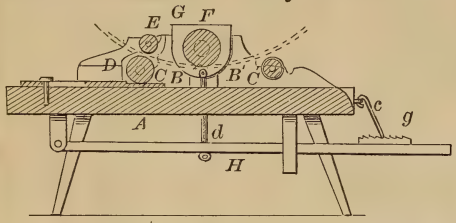
67790—G. O. Mooney—*Bob Sleigh.*



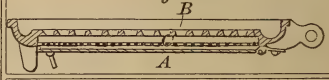
67787—A. S. Miles—*Brush and Rubber.*



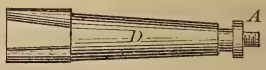
67788—F. Mills—*For Bending Tires.*



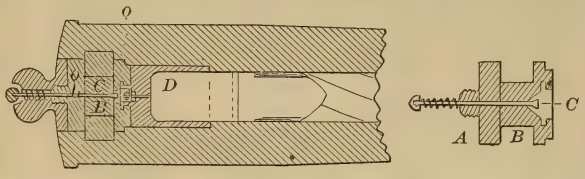
67791—G. R. Moore—*Door for Heating Stoves.*



67794—C. Oyster—*Securing Wheels of Vehicles on Axles.*

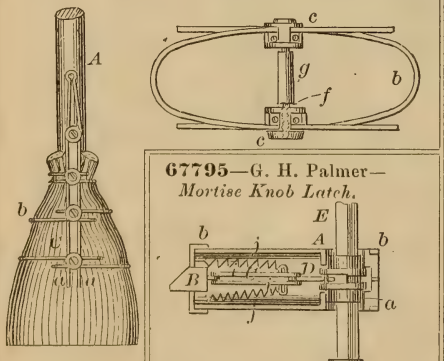


67792—C. C. Wolfrum—*Breech-Loading Ordnance.*

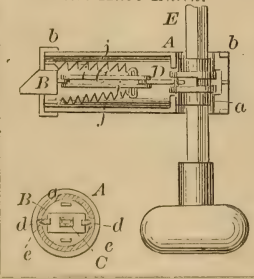


67789—Mitchel & Chapman—*Snap Hook.*

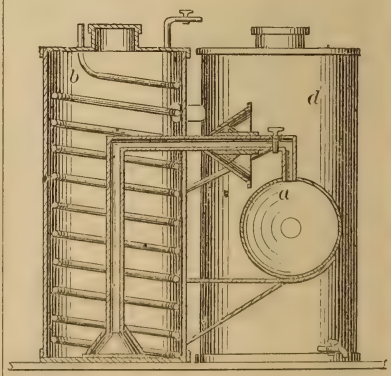
67793—Nobles & Holcomb—*Broom Head.*



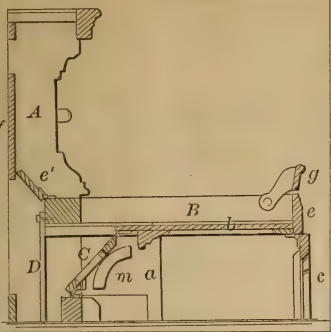
67795—G. H. Palmer—*Mortise Knob Latch.*



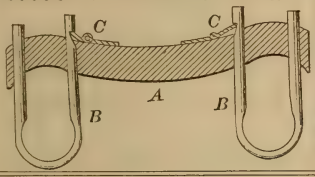
67796—J. C. Pedrick—*For Treating Petroleum.*



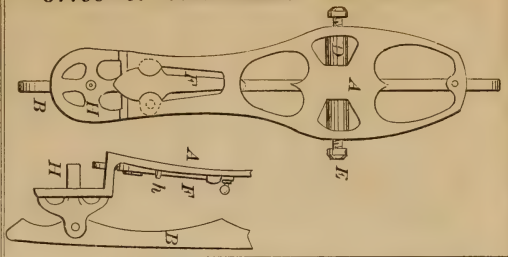
67797—J. F. C. Pickhardt—*Wardrobe Bedstead.*



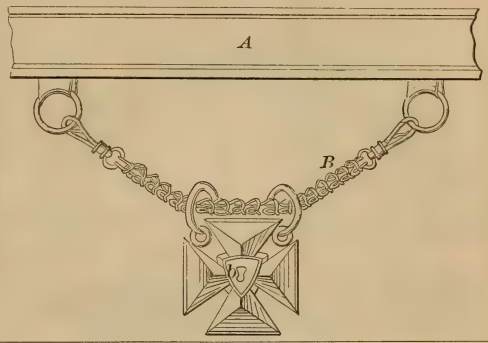
67798—C. H. Post—*Ox Yoke.*



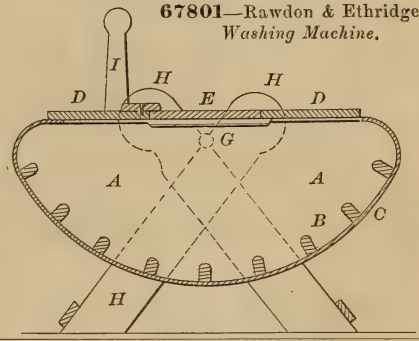
67799—J. W. Post—*Skate.*



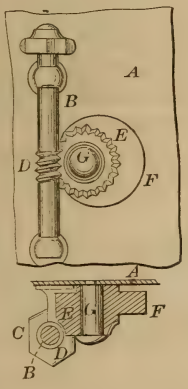
67800—V. Price—*Hanging Swords.*



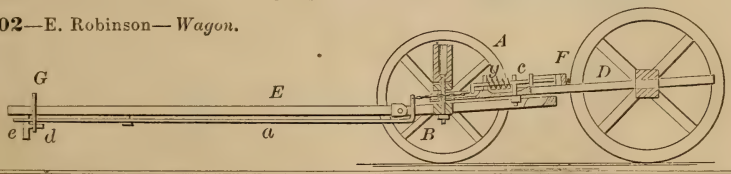
67801—Rawdon & Ethridge—*Washing Machine.*



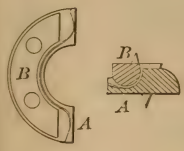
67803—G. Robinson—*Feed Regulator for Sewing Machines.*



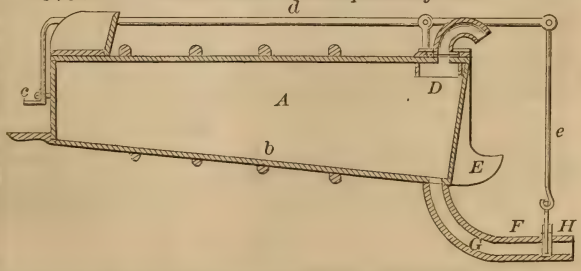
67802—E. Robinson—*Wagon.*



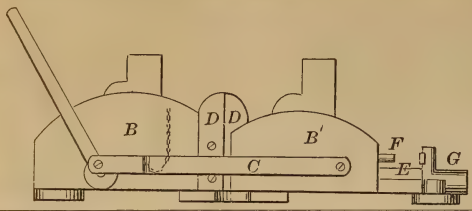
67804—J. Robinson—*Oar Collar.*



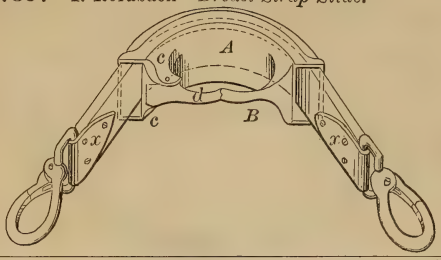
67805—L. Rodenhausen—*Street Sprinkling Cart.*



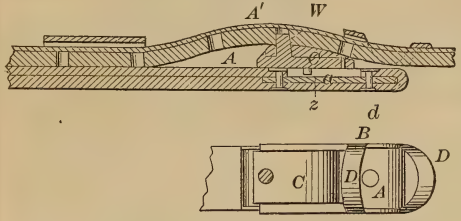
67806—A. Rogers—*Tire Shrinker.*



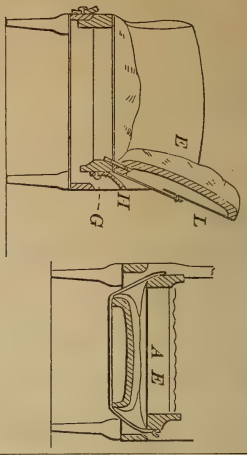
67807—I. Roraback—*Breast Strap Slide.*



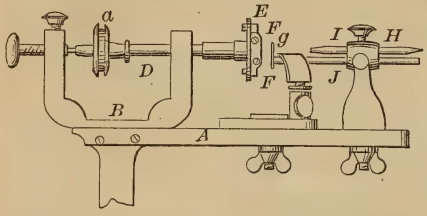
67808—I. Roraback—*Buckle.*



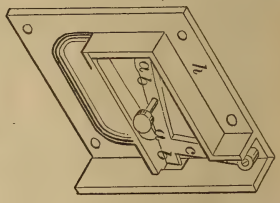
67809—H. Schultz—*Sofa and Bed.*



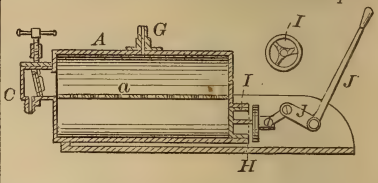
67810—F. Shaller—*Turning Lathe.*



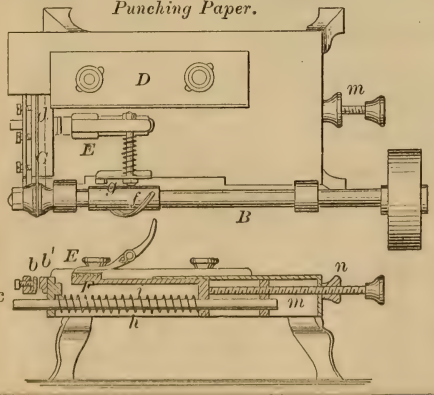
67811—Shepard & Sigourney—*Latch.*



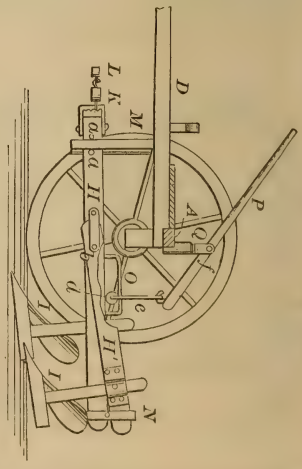
67812—T. Simmons—*Steam Pump.*



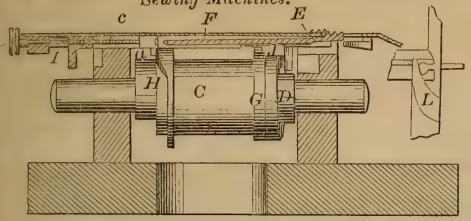
67813—J. T. S. Smith—*For Cutting and Punching Paper.*



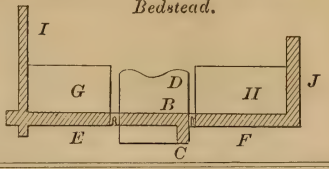
67814—H. P. Stafford—*Gang Plow.*



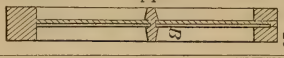
67815—R. B. Stanton—*Reversible Feed for Sewing Machines.*



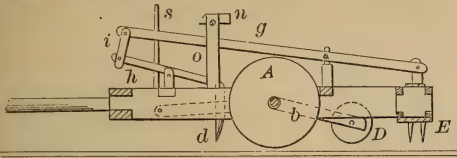
67816—J. Stock—*Bureau and Bedstead.*



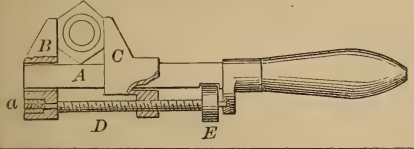
67820—H. Tupper—*Window Sash.*



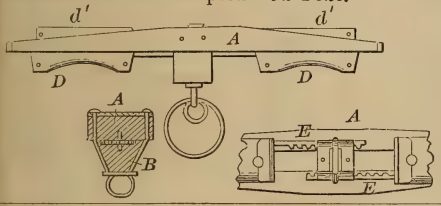
67817—E. E. Stubbs—*Cultivator.*



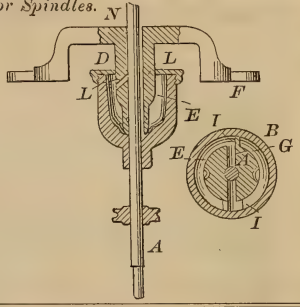
67818—G. C. Taft—*Wrench.*



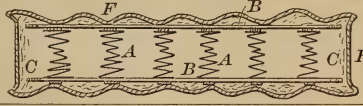
67819—W. A. Thompson—*Ox Yoke.*



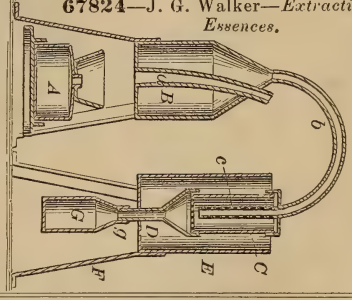
67821—R. P. Underwood—*Lubricator for Spindles.*



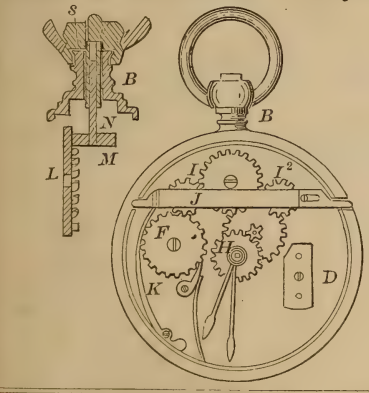
67822—H. H. Vere—*Spring Mattress.*



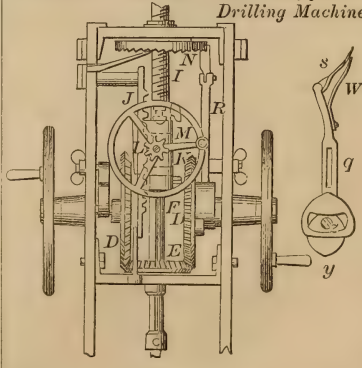
67824—J. G. Walker—*Extracting Essences.*



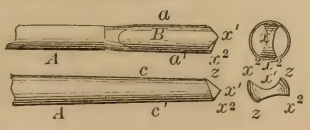
67823—A. Wadsworth—*Stem Winding Watch.*



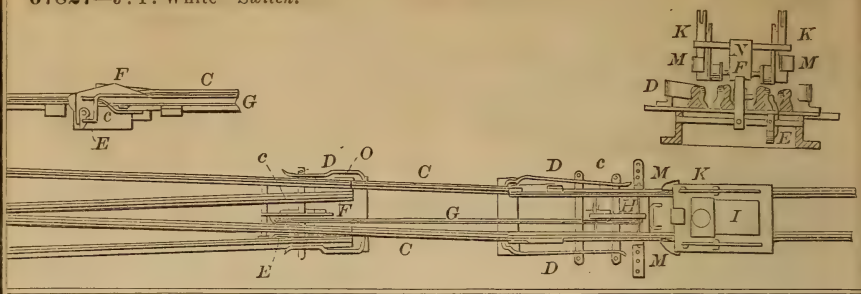
67826—Warner, Peiffer & Lepper—*Drilling Machine.*



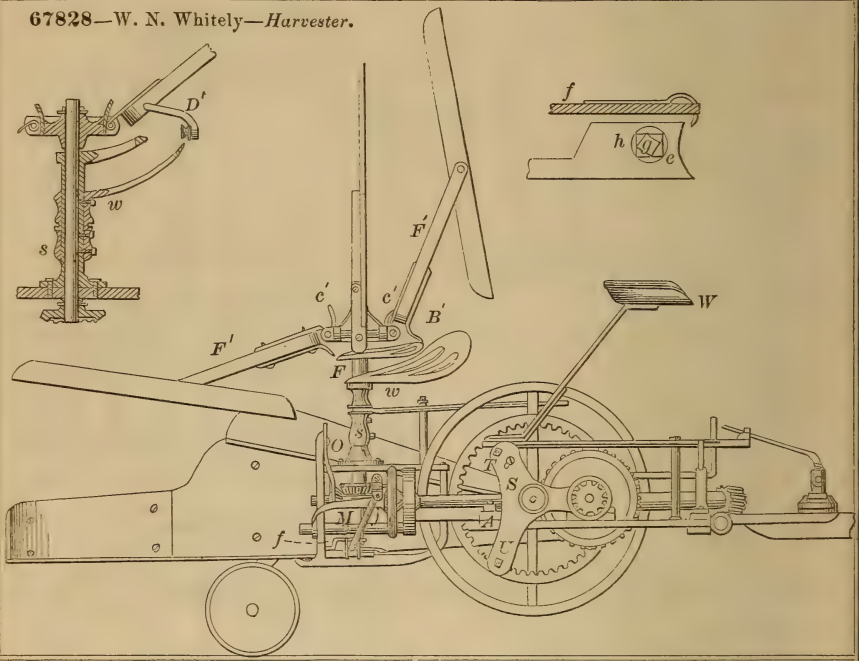
67825—D. Warner—*Drill.*



67827—J. P. White—*Switch.*

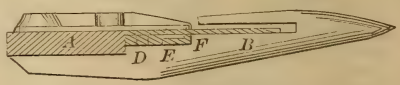


67828—W. N. Whitely—*Harvester.*

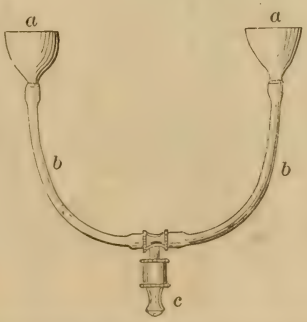


67831—W. B. Williams—*Cotton Plow.*

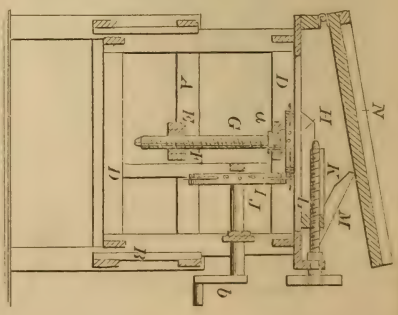
67829—Whitely, Fassler & Kelly—*Harvester Cutter.*



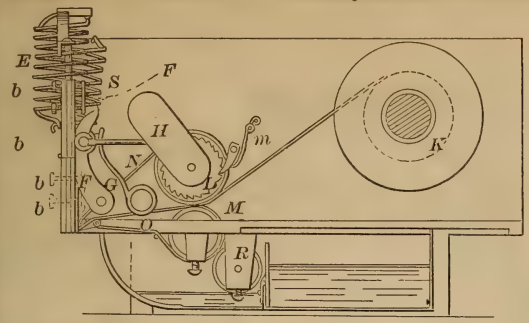
67832—J. M. Winslow—*Eye Cup.*

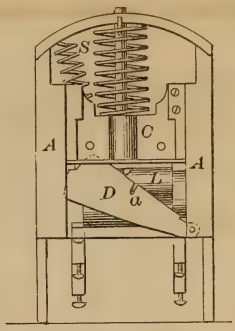


67830—T. E. Wilke—*Camera Stand.*

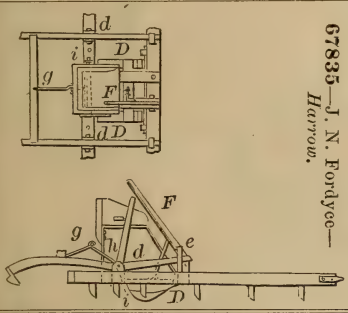


67833—J. F. Zacharias—*For Attaching Labels.*

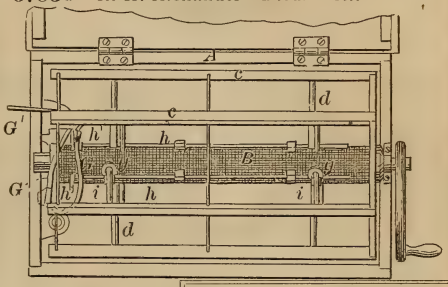




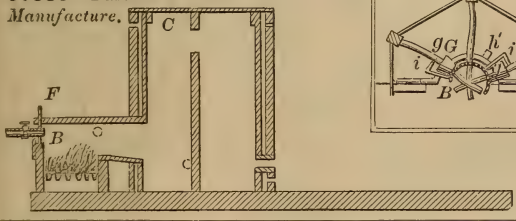
67835—J. N. Fordyce—*Harrow.*

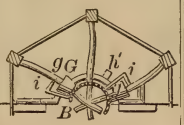


67836—R. H. Alexander—*Flour Bolt.*

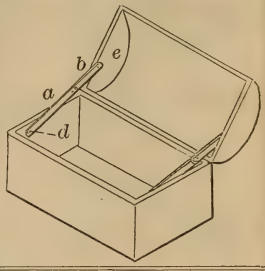


67839—Bartlett & Lewis—*White Paint Manufacture.*

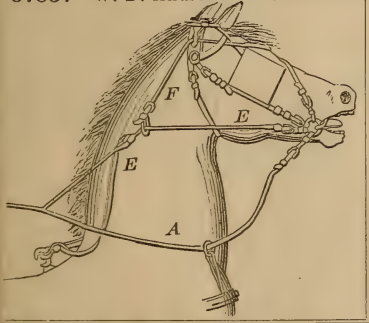




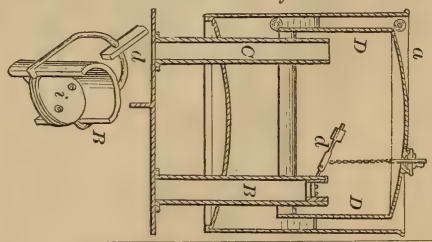
67834—P. J. Steer—*Trunk Check.*



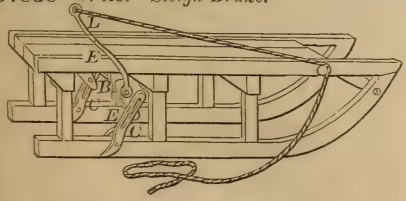
67837—W. D. Andrews—*Bridle Rein.*



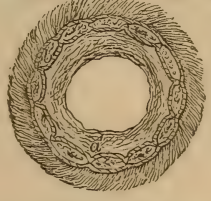
67840—J. H. Beacher—*Valve for Gas Generators.*



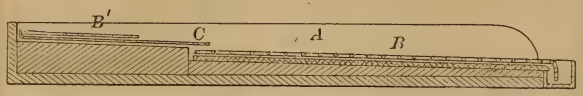
67838—J. Ast—*Sleigh Brake.*



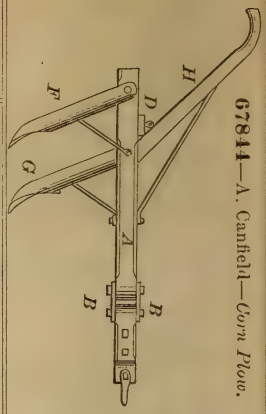
67841—L. Bauhoefer—*Muff.*



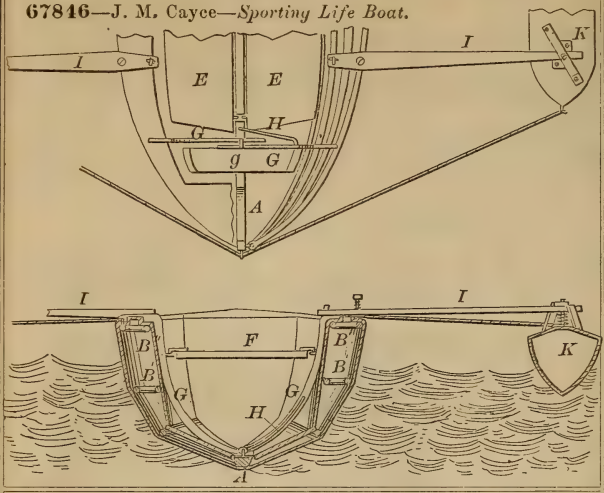
67842—J. B. Beers—*Amalgamating Precious Metals.*



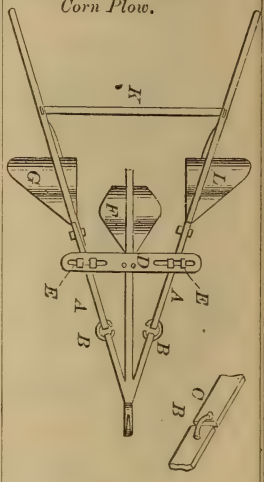
67844—A. Canfield—*Corn Plow.*



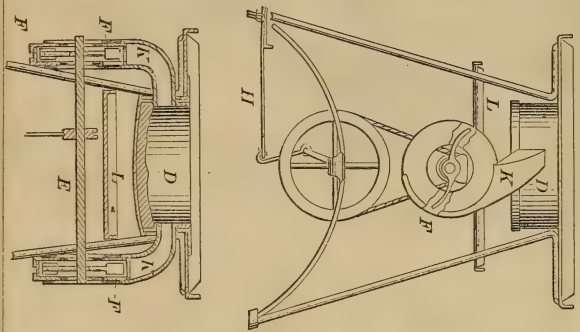
67846—J. M. Cayce—*Sporting Life Boat.*



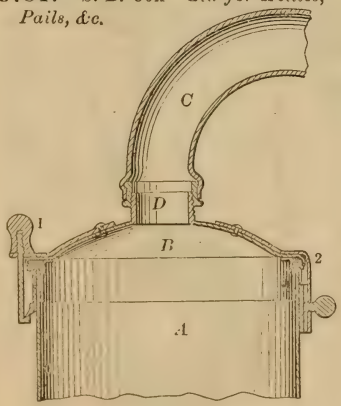
67843—A. Canfield—*Corn Plow.*



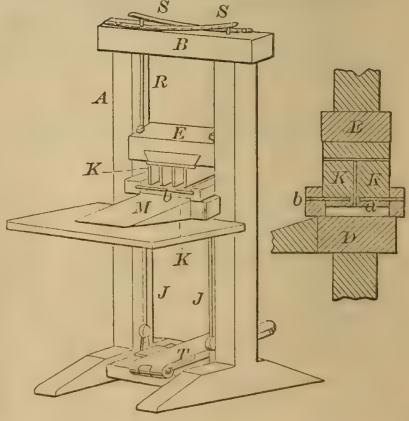
67845—J. M. Cayce—*Portable Forge.*



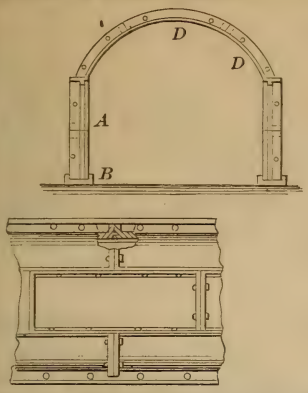
67847—S. B. Cox—*Lid for Kettles, Pails, &c.*



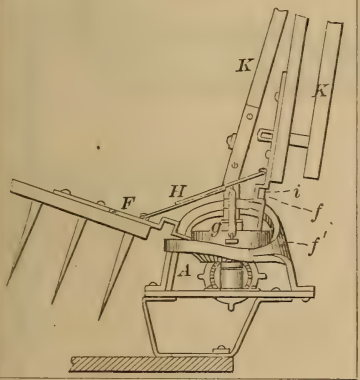
67848—D. Davenport—*Corn Candy Cutter.*



67849—J. Dixon—*Tunnel.*

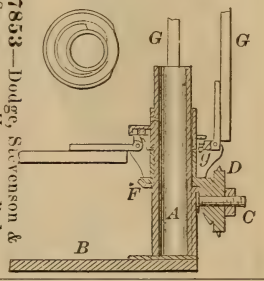


67850—J. A. Dodge—*Harvester Rake.*

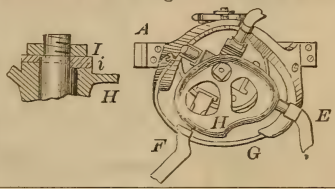


67852—J. A. Dodge—*Harvester.*

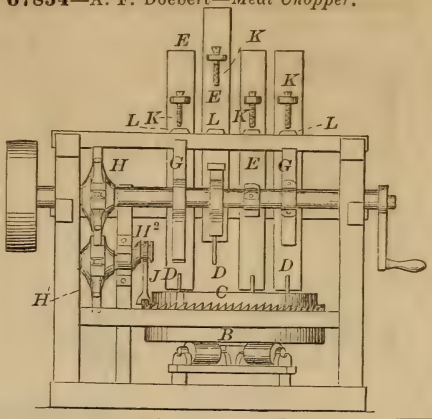
67853—Dodge, Stevenson & Stevenson—*Harvester Rake.*



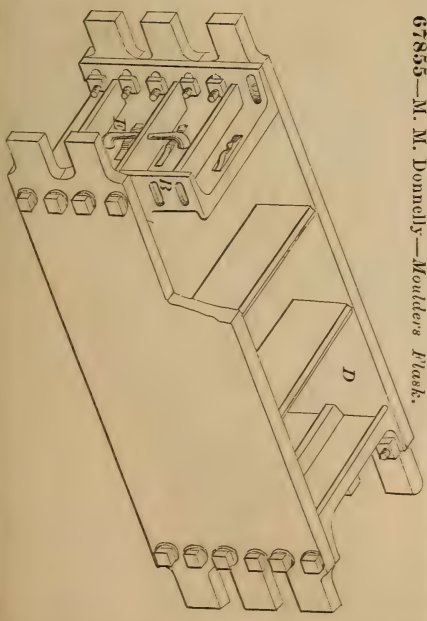
67851—J. A. Dodge—*Harvester Rake.*



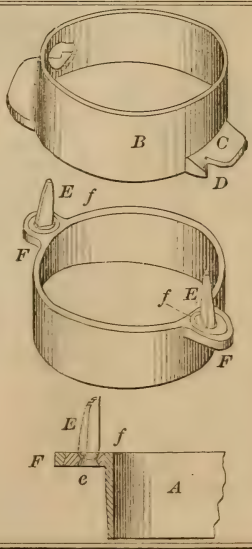
67854—A. F. Doebert—*Meat Chopper.*



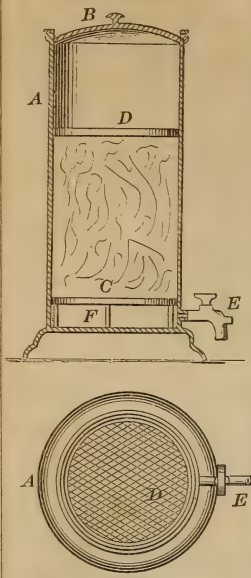
67855—M. M. Donnelly—*Moulders Flask.*



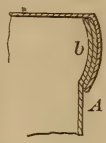
67856—M. M. Donnelly—*Moulders' Flask.*



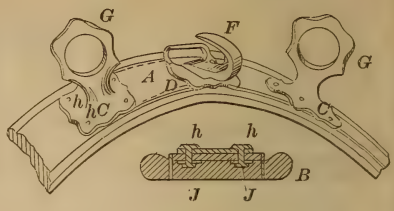
67858—F. Ernst—*Clothes Washer.*



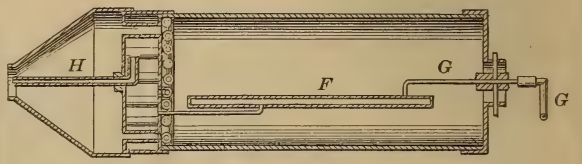
67859—H. Everett—*Metal Can for Putting up Alkali.*



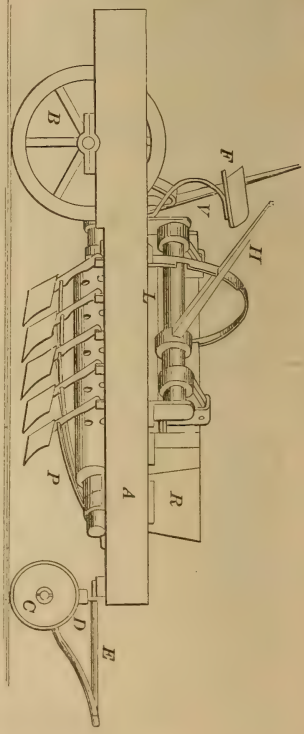
67861—W. R. Ferguson—*Hook and Terrett.*



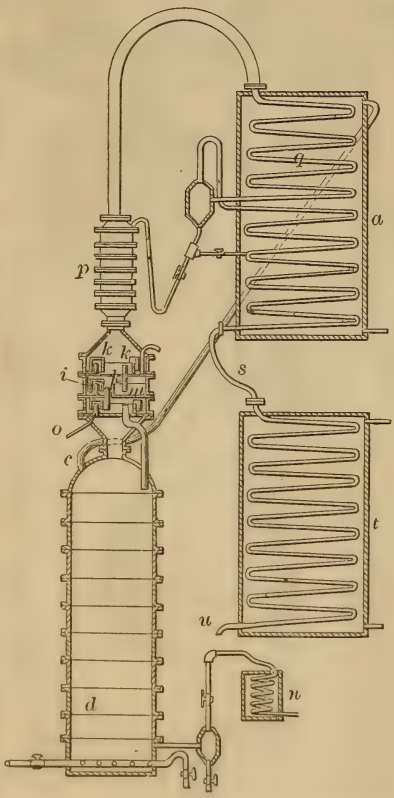
67862—G. B. Field—*Ore Roasting Furnace.*



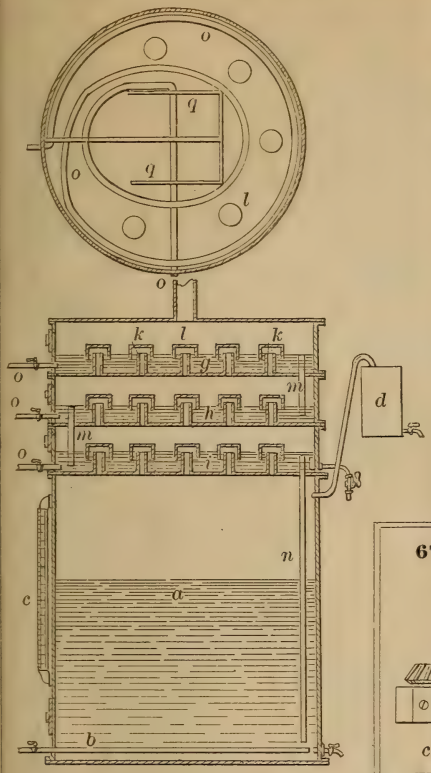
67860—J. B. Ewell—*Seeding Cultivator.*



67863—A. Foubert—*For Distilling and Rectifying Spirits.*

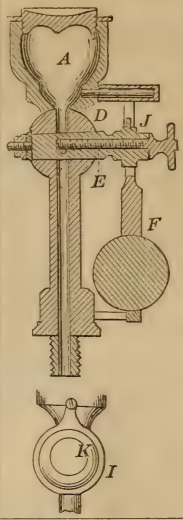


67864—A. Foubert—*For Distilling Spirits.*

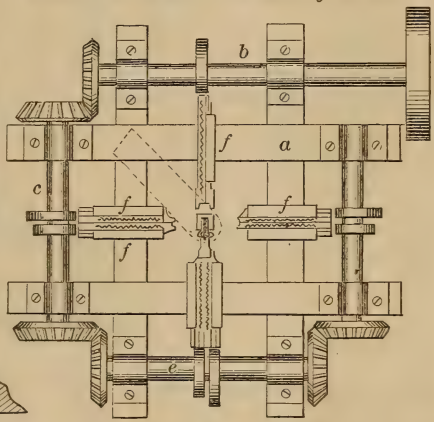


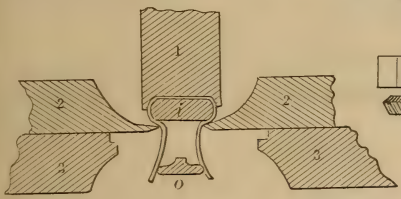
67866—J. French—*Boiler Gauge Cock.*

67867—E. H. Furniss—*Steam Engine Oil Cup.*

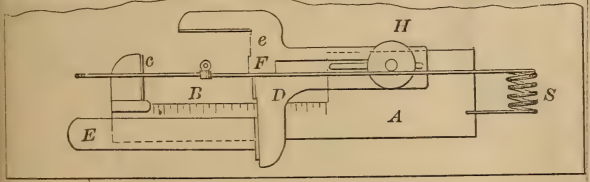


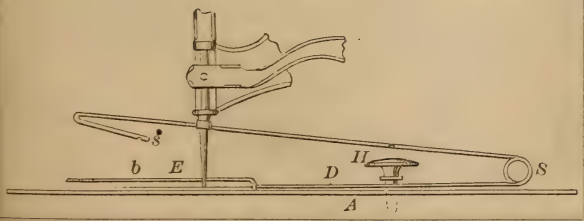
67865—M. Fowler—*For Making Buckles.*



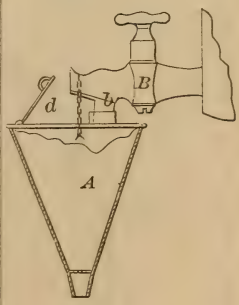


67870—H. C. Goodrich—*Tuck Marker for Sewing Machines.*

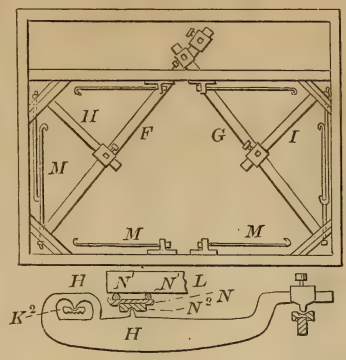


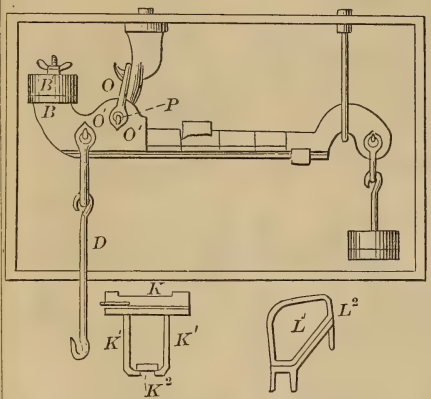


67869—J. Gatley—*Cooler for Liquors on Draught.*

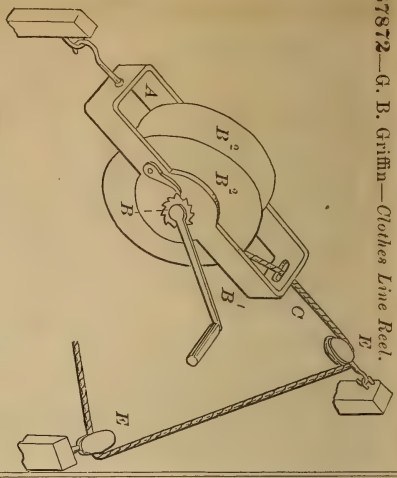


67871—W. P. Goolman—*Platform Scale.*

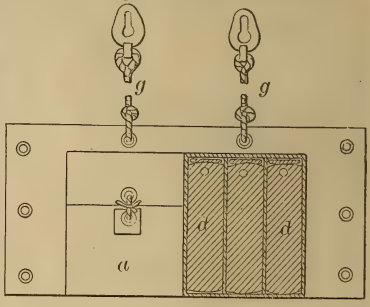




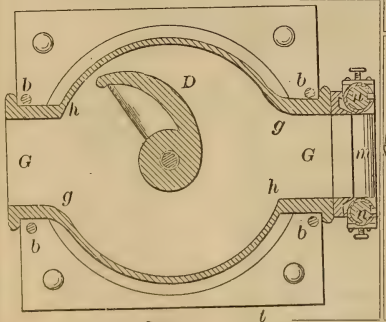
67872—G. B. Griffin—*Clothes Line Reel.*



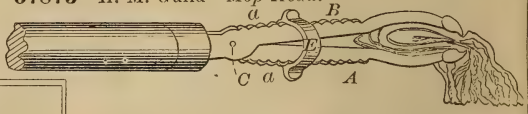
67874—D. Hale—*For Attaching Weights to Submarine Armor.*



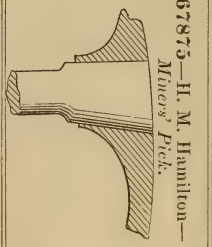
67879—W. G. Hyndman—*Brick Machine.*



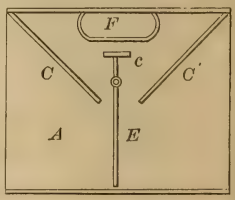
67873—H. M. Guild—*Mop Head.*



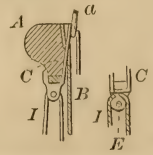
67875—H. M. Hamilton—*Miners' Pick.*



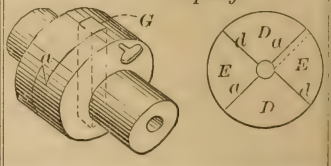
67877—R. Hitchcock—*Car Ventilator.*



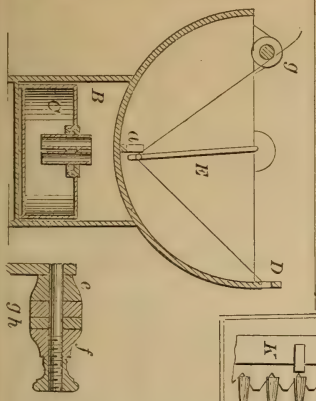
67876—C. F. Herrick—*Curtain Fixture.*



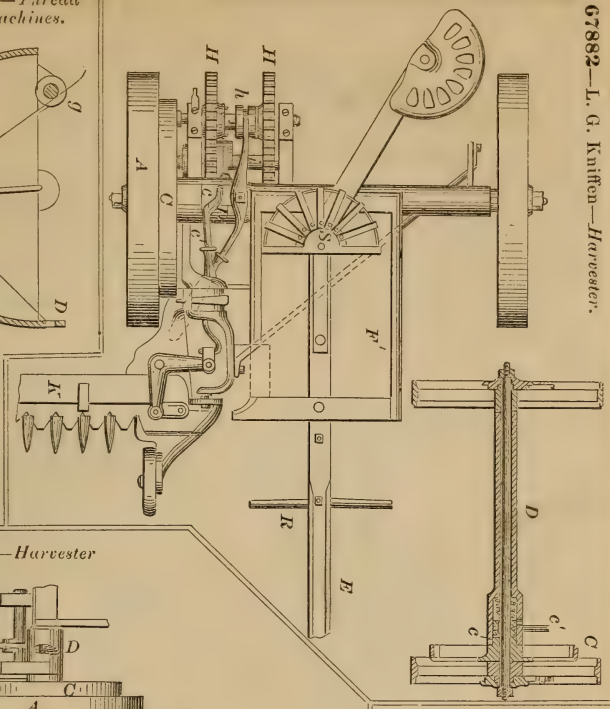
67878—H. A. Hurd—*Shaft Coupling.*



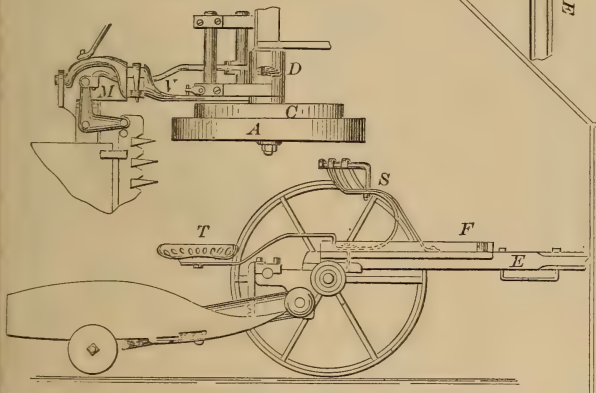
67881—G. F. Kendall—*Thread Waxer for Sewing Machines.*



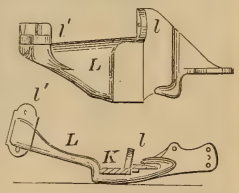
67882—L. G. Kniffen—*Harvester.*



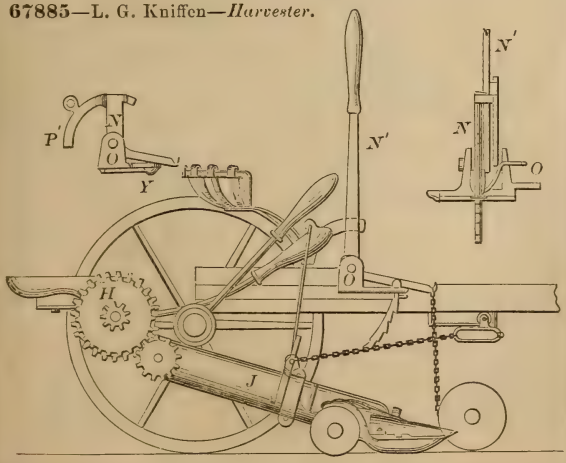
67884—L. G. Kniffen—*Harvester*



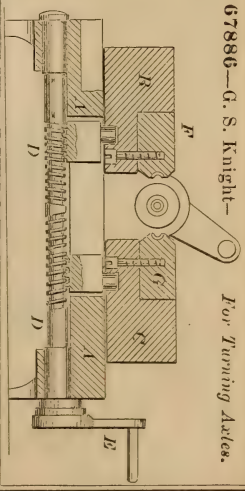
67883—L. G. Kniffen—*Harvester.*



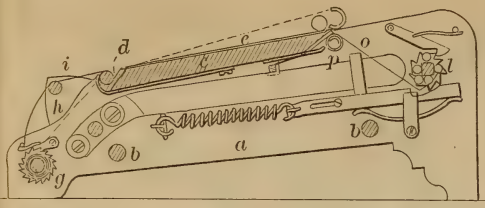
67885—L. G. Kniffen—*Harvester.*



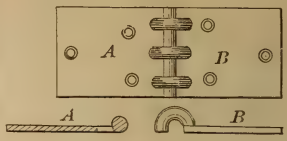
67886—G. S. Knight—*For Turning Axles.*



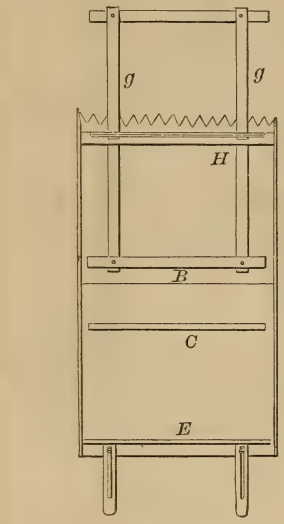
67887—Kramer & Wise—*Cigar Machinery.*

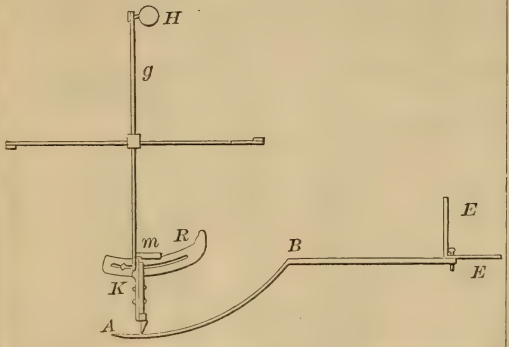


67889—G. W. Lane—*Hinge.*

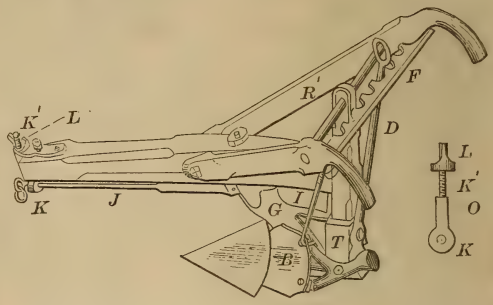


67888—I. Lancaster—*Harvester Rake.*





67890—W. E. Levoy—*Plow.*



67891—Luther & Marsh—*Window Blind Fastening.*

Fig. 1

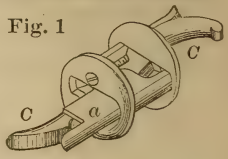


Fig. 3

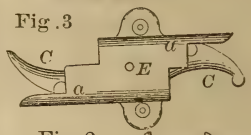
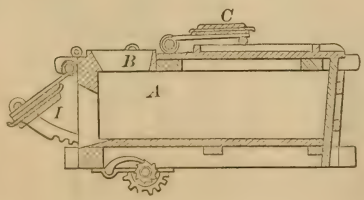
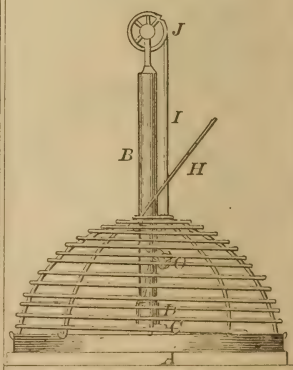


Fig. 2

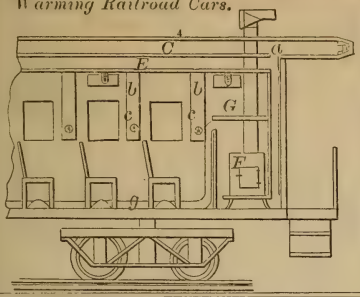
67892—J. H. Lynch—*Night Cart.*



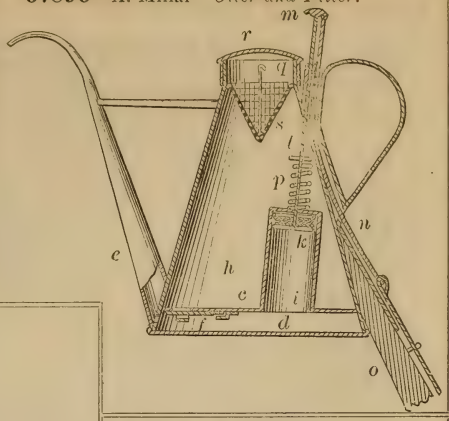
67893—H. Mansfield—*Animal Trap.*



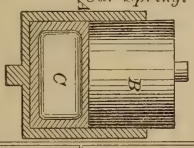
67894—A. J. Marshall—*Ventilating and Warming Railroad Cars.*



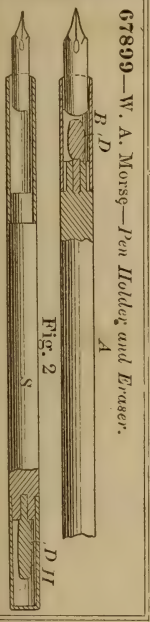
67896—A. Millar—*Oiler and Filler.*



67897—J. S. Miller—*Car Spring.*

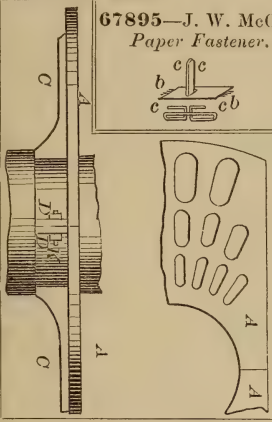


67899—W. A. Morse—*Pen Holder and Eraser.*

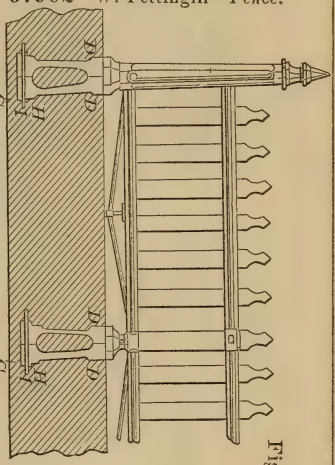


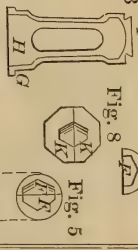
67895—J. W. McGill—*Paper Fastener.*

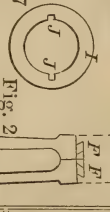
67900—O. B. Olmsted—*Adjustable Stove Pipe Shelf.*

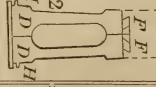


67902—W. Pettingill—*Fence.*

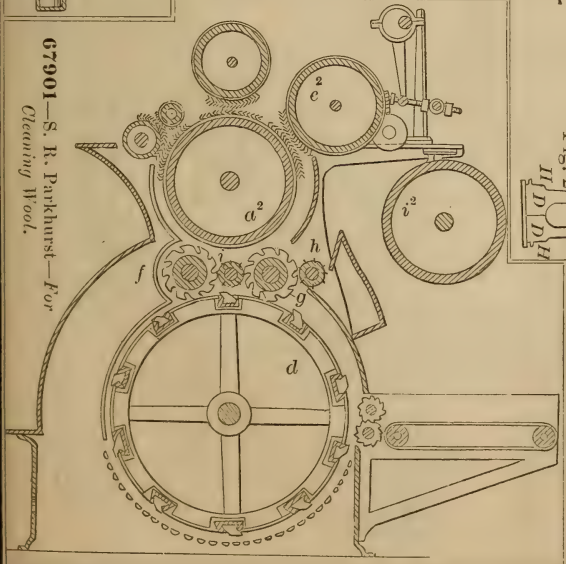




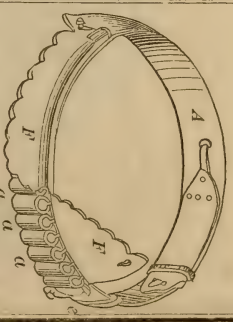




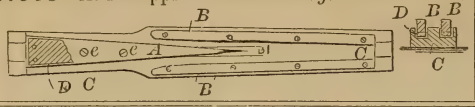
67901—S. R. Parkhurst—*For Cleaning Wool.*



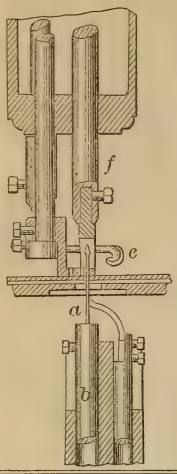
67898—A. Mills—*Corrugated Belt.*



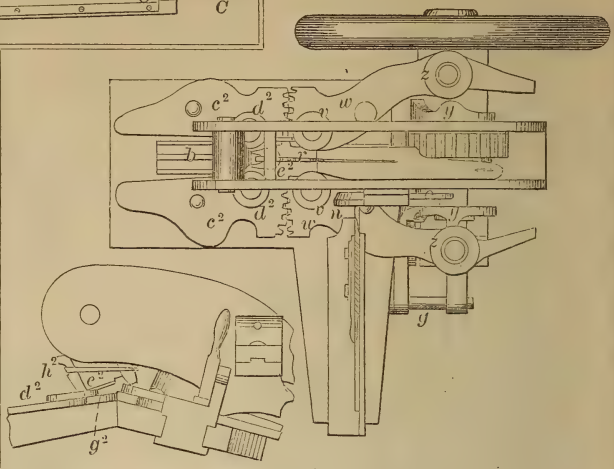
67903—A. Philippi—*Railroad Frog.*



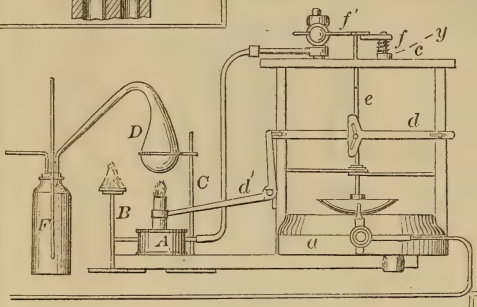
67906—T. K. Reed—*Sewing Machine.*

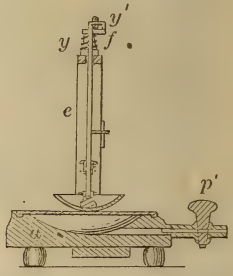


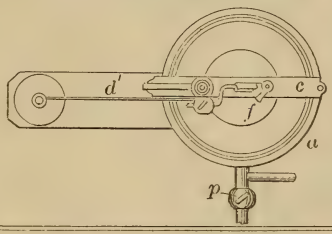
67910—A. J. Roberts—*Manufacture of Horse Shoes.*



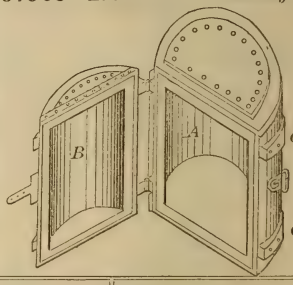
67907—M. B. Renslow—*For Making Nitrous Oxide, &c.*







67905—L. Ransom—*Traveling Trunk.*



67908—W. W. Reynolds—*Platform Scale.*

Fig. 3

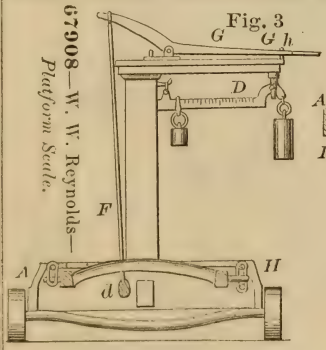
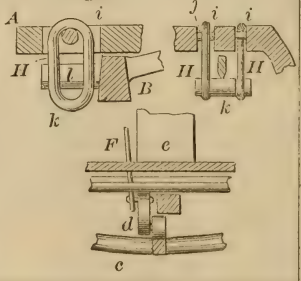
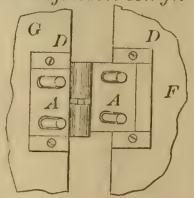


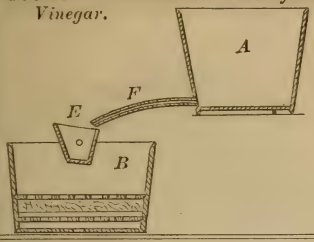
Fig. 4



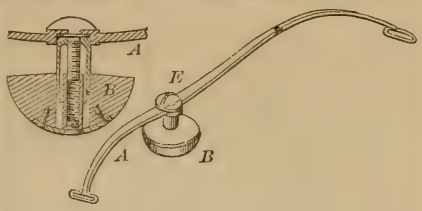
67904—J. G. Ralph—*Adjustable Hinge.*



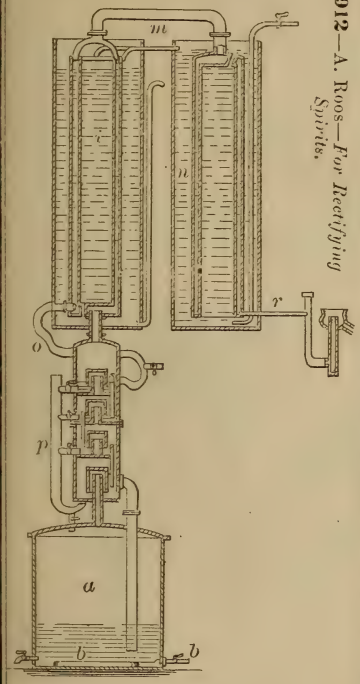
67909—J. Richardson—*Manufacture of Vinegar.*



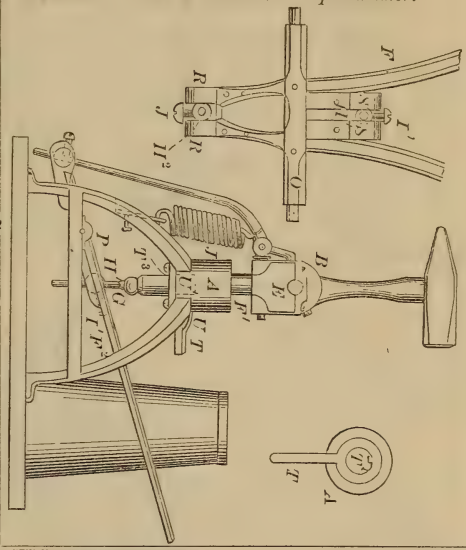
67911—L. Roberts—*Truss.*



67912—A. Roos—*For Rectifying Spirits.*



67913—T. J. & R. L. Root—*Trip Hammer.*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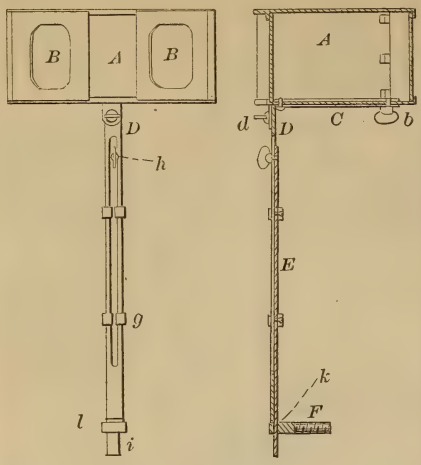
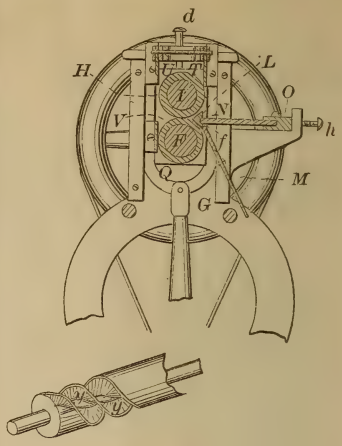
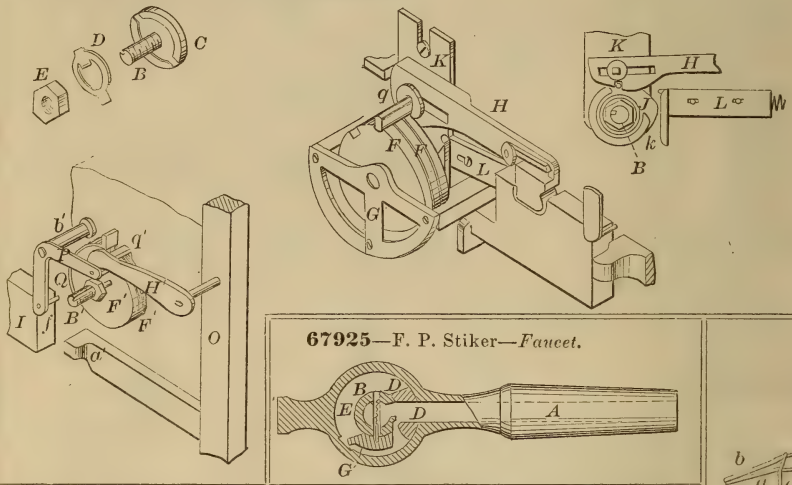
67919—C. G. Smith—*Reflector for Windows.*



67923—Spofford & Hersey—*Cotton Gin.*

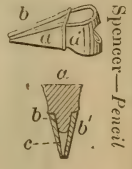


67927—T. J. Sullivan—*Permutation Lock.*

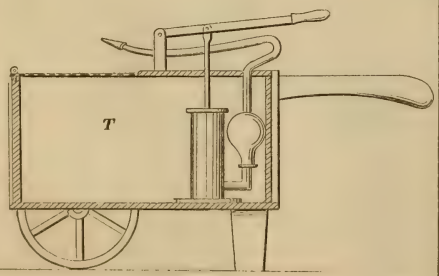


67925—F. P. Stiker—*Faucet.*

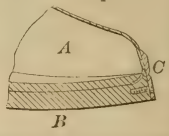
67922—E. Spencer—*Pencil Sharpener.*



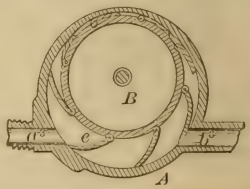
67924—R. T. Sprague—*Liquoring Sugar in Centrifugal Machines.*



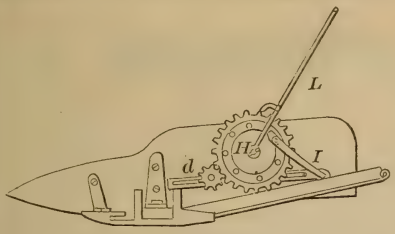
67920—B. F. Sparrow—*Metallic Tip.*

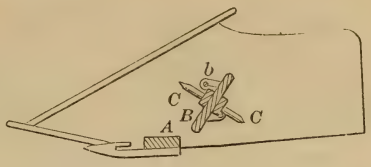


67928—J. D. Summer—*Water Meter.*

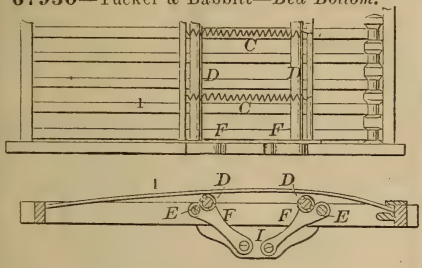


67929—D. M. Swartz—*Dumping Platform for Harvesters.*

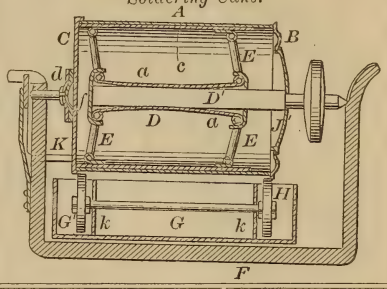




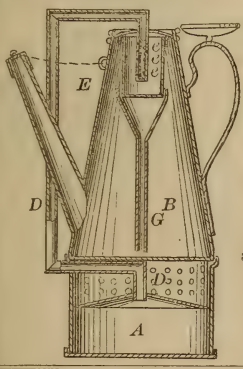
67930—Tucker & Babbitt—*Bed Bottom.*



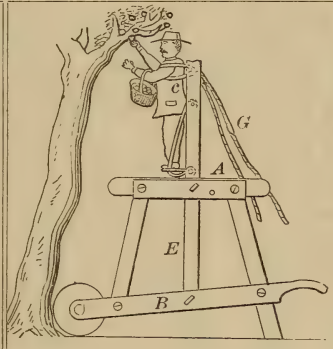
67931—Underwood & Johnson—*For Soldering Cans.*



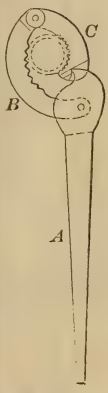
67932—J. C. Walker—*Coffee Pot.*



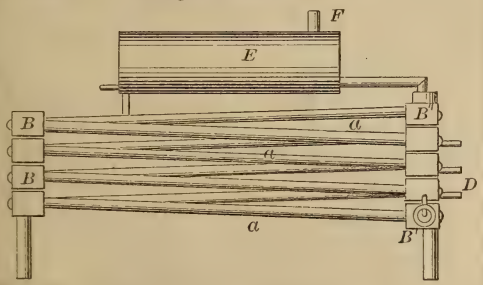
67933—S. S. Whaley—*Fruit Ladder.*



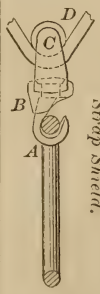
67937—W. C. Abbe—*Pipe Wrench.*



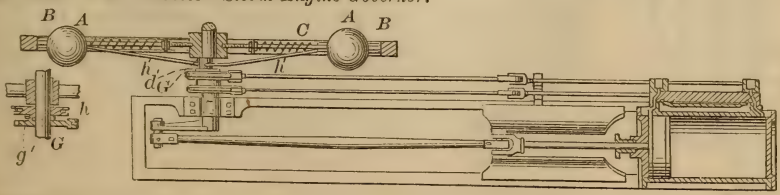
67935—C. O. Winegar—*Steam Generator.*



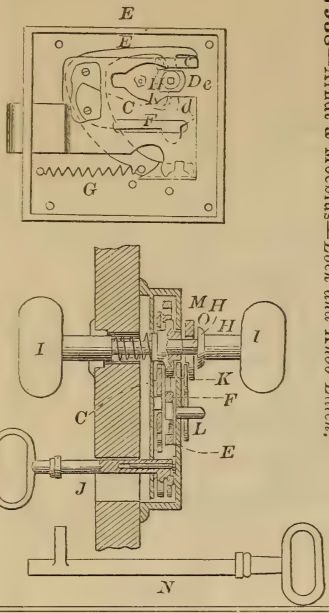
67934—H. F. Willson—*Breast Strap Shield.*



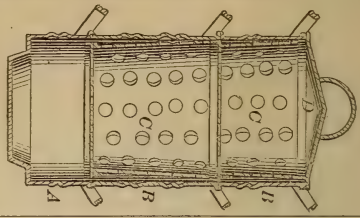
67936—J. H. Wooster—*Steam Engine Governor.*



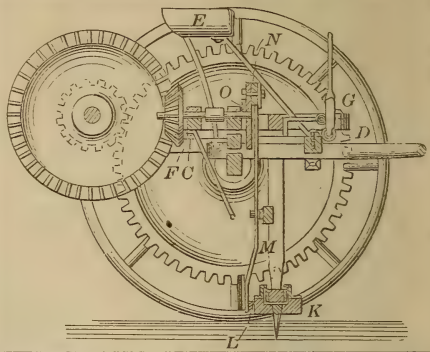
67938—Arndt & Mœbius—*Lock and Knob Latch.*



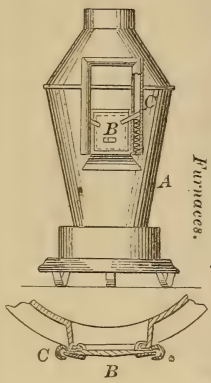
67939—J. Baumeister—*Boiler*



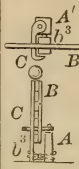
67940—L. Beckelshymer—*Harrow.*



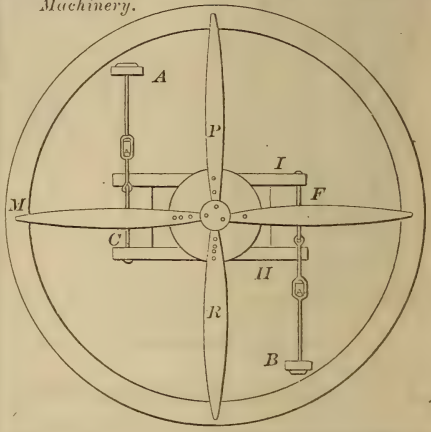
67942—F. S. Bissell—*Door for Stoves and Furnaces.*



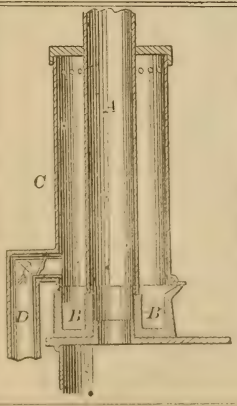
67944—L. H. Bowlus—*Fence.*



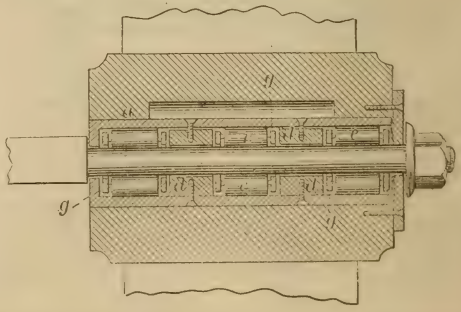
67943—S. Boone—*Anchoring Stationary Machinery.*



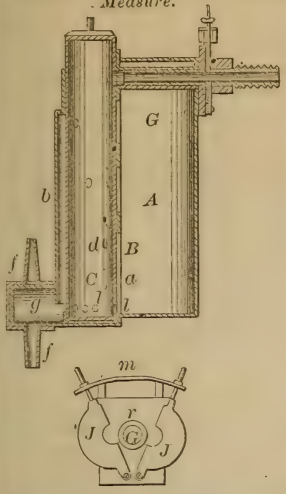
67945—T. S. Bowman—*Ventilating Attachment for Stoves.*



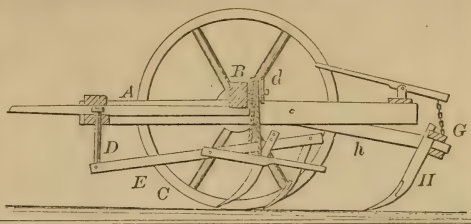
67946—H. Brady—*Axle Box.*



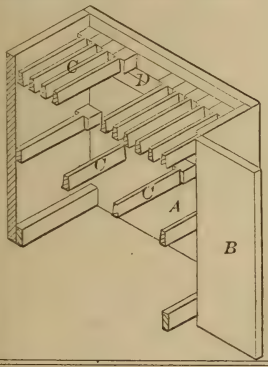
67948—P. Brinkerhoff—*Liquid Measure.*



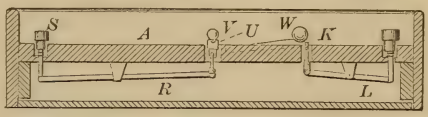
67949—P. F. Brittain—*Corn Cultivator.*

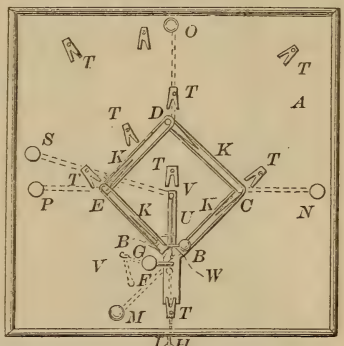


67950—H. Brown—*Clothes Dryer.*



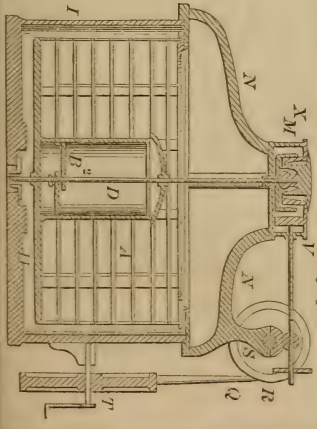
67951—W. Buckley—*Base Ball Table.*



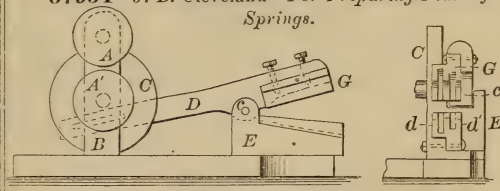


67952—J. Butts—*For Preventing Hogs from Rooting.*

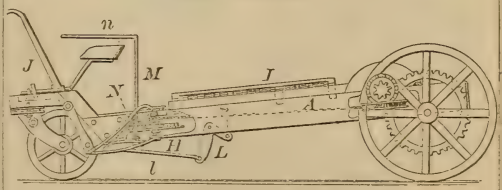
67953—E. C. Cleveland—*Centrifugal Machine.*

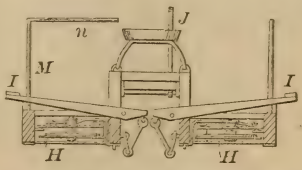


67954—J. B. Cleveland—*For Preparing Plates for Springs.*

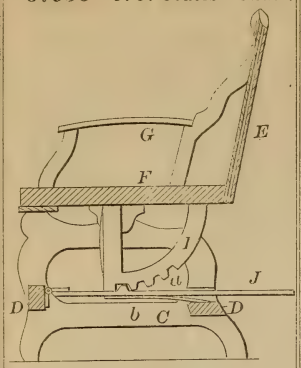


67955—Clinton. Prather & Hutchinson—*Corn and Cane Harvester.*

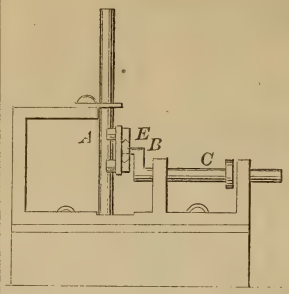




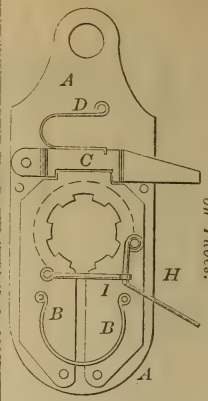
67956—F. J. Coates—*Chair.*



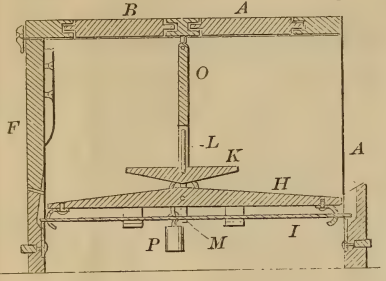
67957—E. R. Cole—*Crank Connection.*

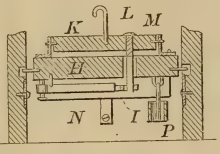


67958—W. T. Cole—*Die for Cutting Threads on Tubes.*

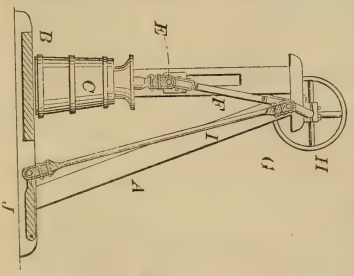


67959—I. N. Connell—*Animal Trap.*

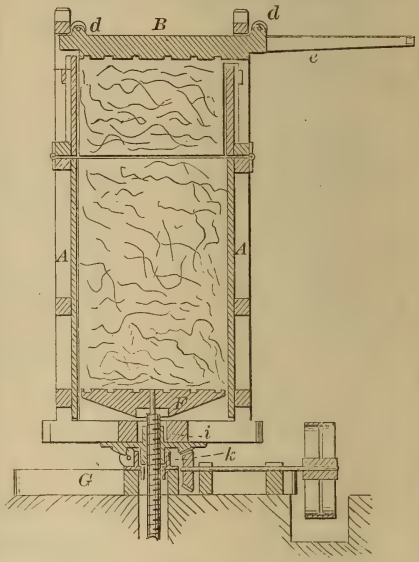


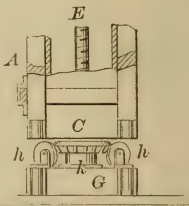


67960—G. Crandell—*Churning Machine.*

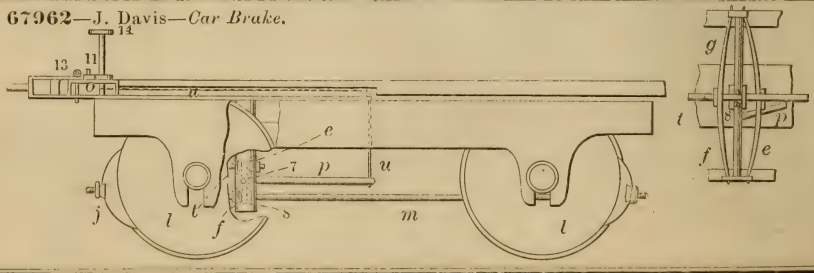


67961—J. G. Cummings—*Cotton Press.*

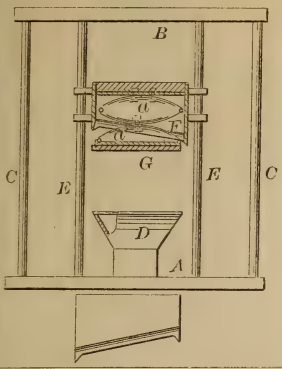




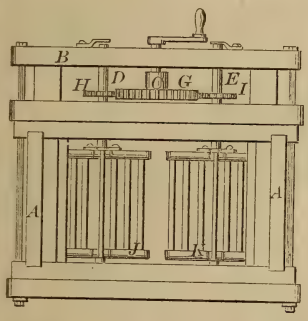
67962—J. Davis—*Car Brake.*



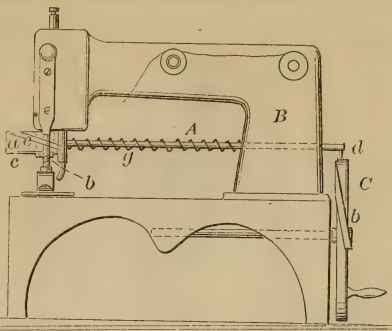
67963—T. R. Drummond—*Slate Cutter.*



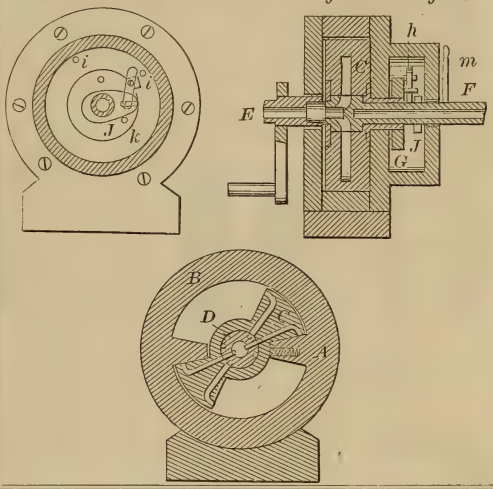
67964—C. L. Eggert—*Churn.*



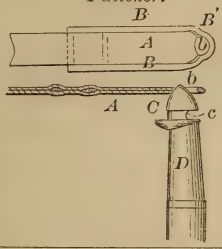
67965—G. Elmes—*Sewing Machine.*



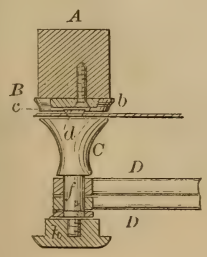
67966—W. M. Elrod—*Oscillating Piston Engine.*



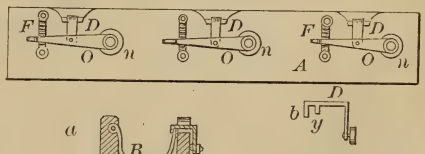
67967—G. W. Fink—*Trace Fastener.*



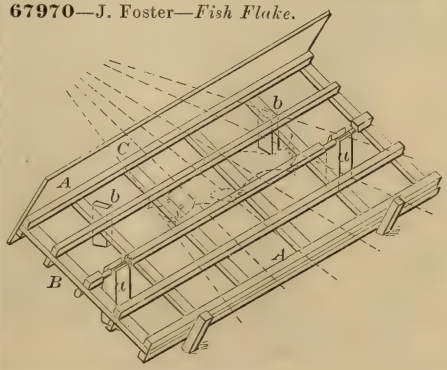
67968—W. Finn—*Carriage Prop.*



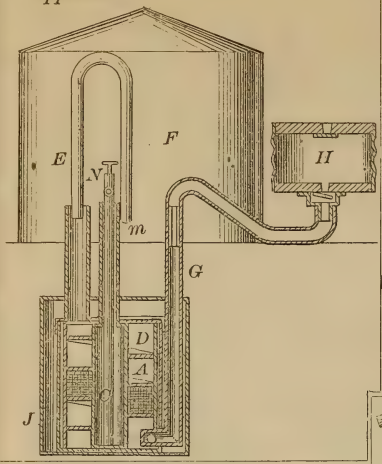
67969—C. & G. Fisher—*For Soldering Eave Troughs.*



67970—J. Foster—*Fish Flake.*

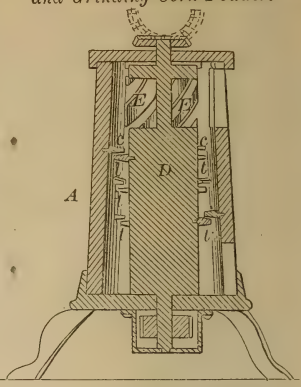


67971—E. J. Fraser—*Carburetting Apparatus.*

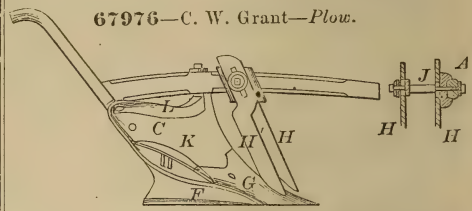


67974—J. H. Godwin—*Oiler.*

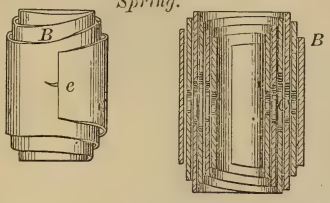
67975 A. Goodhart—*For Cutting and Grinding Corn Fodder.*



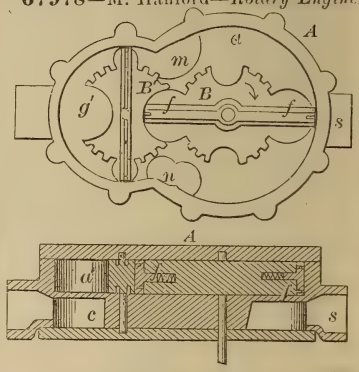
67976—C. W. Grant—*Plow.*



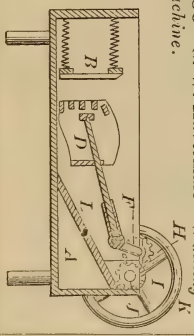
67972—Freeland & Ward—*Volute Spring.*



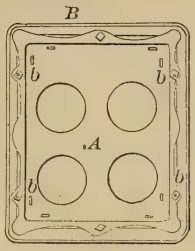
67978—M. Hanford—*Rotary Engine.*



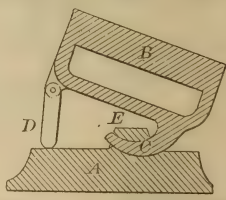
67980—G. W. Havermale—*Washing Machine.*



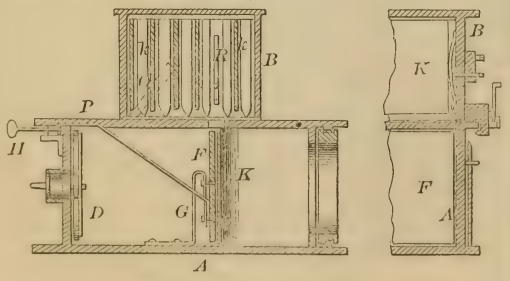
67977—J. Grimes—*Top of Cooking Stoves.*



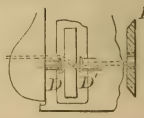
67979—C. C. Hare—*Sad Iron.*



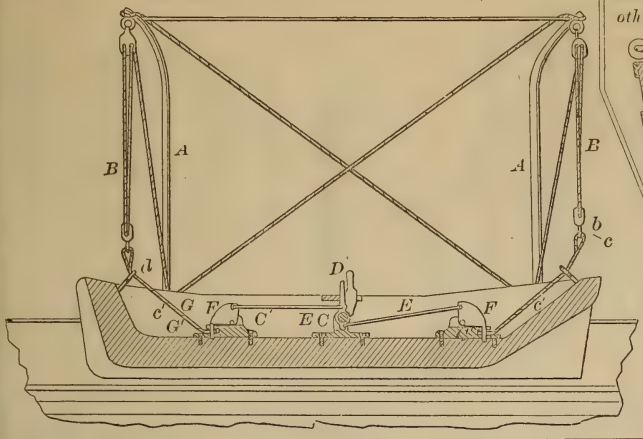
67981—D. H. Houston—*Photographic Apparatus.*



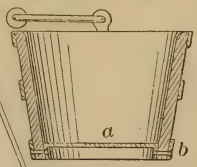
67982—R. H. Hudson—*To Prevent Ropes Fouling Ships' Propellers.*



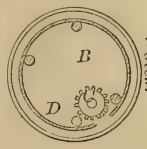
67983—Hurlbut & Snow—*Boat Detaching Tackle.*



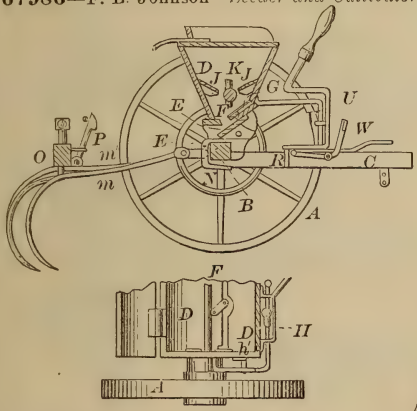
67984—J. W. Jarboe—*Manufacturing Pails and other Household Vessels.*



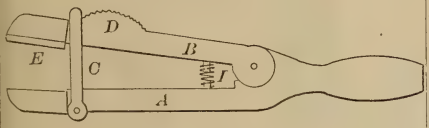
67985—E. Jewell—*Watch.*



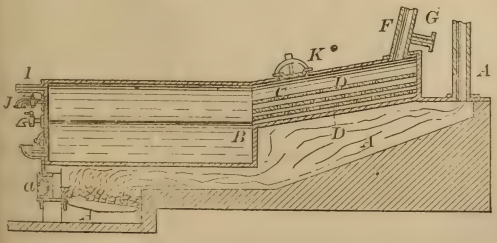
67986—F. B. Johnson—*Seeder and Cultivator.*



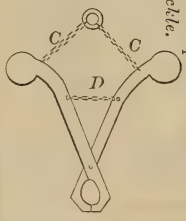
67987—J. S. Kalb—*Wrench and Pruning Shears.*



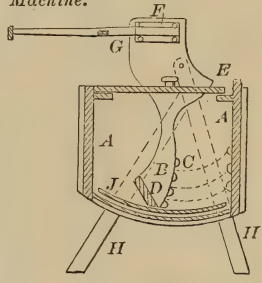
67988—E. G. Kelley—*Petroleum Still.*



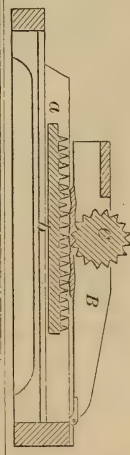
67989—G. H. Kempton—*Boat Detaching Tackle.*



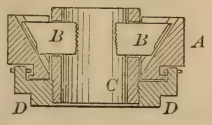
67990—Kranser & Bowman—*Washing Machine.*



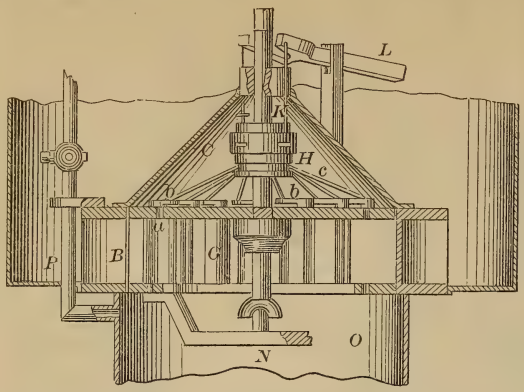
67991—J. Lefeber—*Meat Masher.*



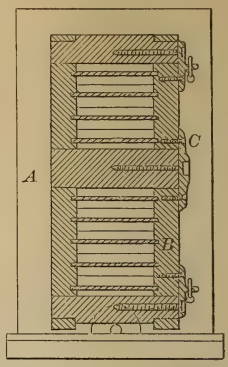
67993—B. T. Loomis—*Expanding Dye.*



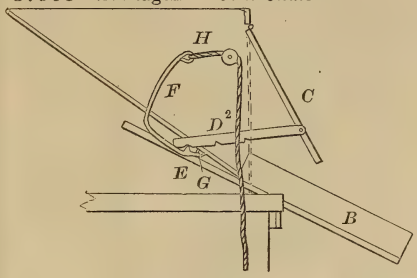
67994—O. W. Ludlow—*Water Wheel.*



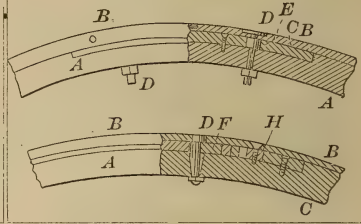
67999—W. W. S. Oberton—*Hinge and Blind Supporter.*



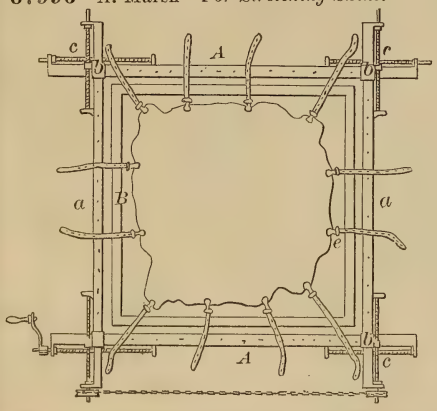
67995—E. Maguire—*Coal Chute.*



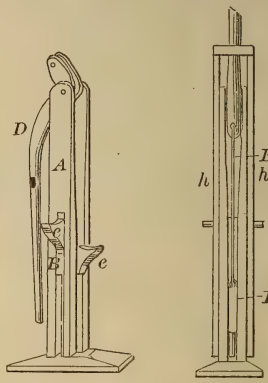
68002—H. A. Potter—*Vehicle Wheel.*



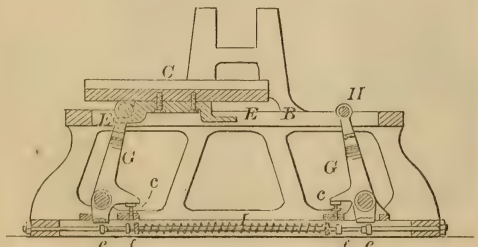
67996—A. Marsh—*For Stretching Skins.*



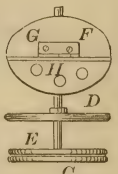
68003—R. B. Prindle—*Wagon Jack.*



68001—C. Potter, Jr.—*Printing Press.*

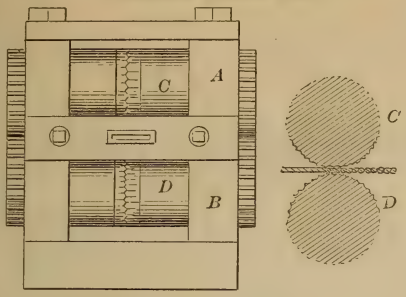


68000—J. W. Pettengill—*Churn Dasher.*

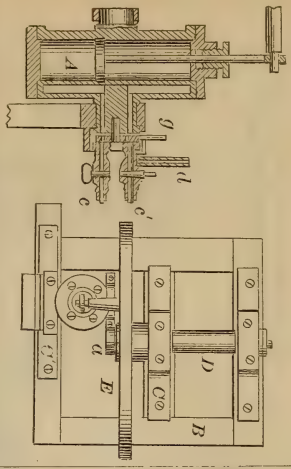


68005—C. & J. G. Rowland—*Condensed Leather Peg.*

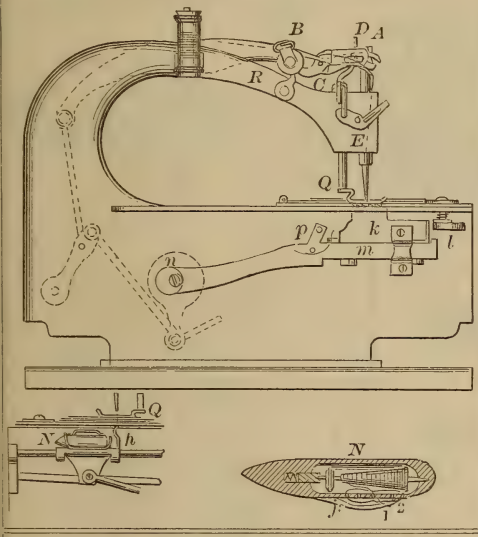
68006—C. & J. G. Rowland—*For Making Condensed Leather Pegs.*



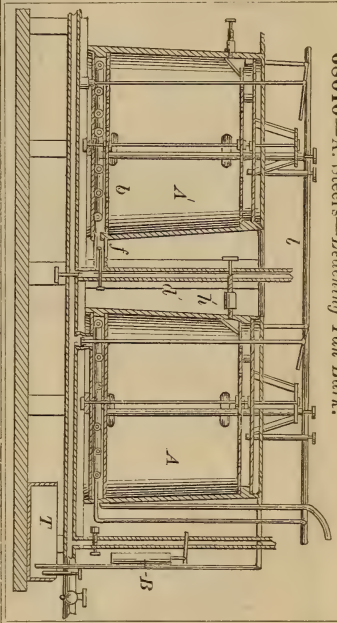
68008—Scott & Morton—*Revolving Cylinder Engine.*



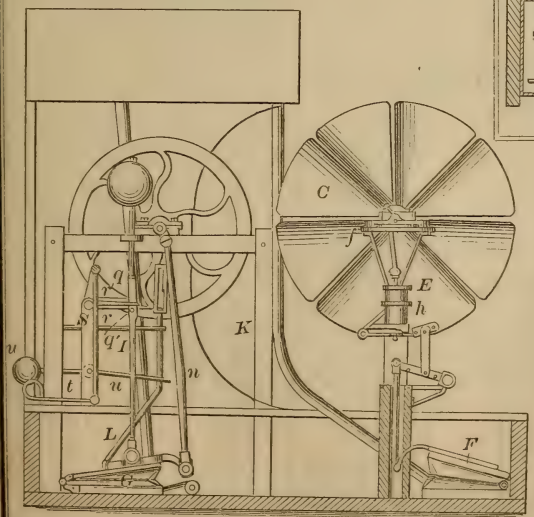
68009—C. Stebbins—*Sewing Machine.*



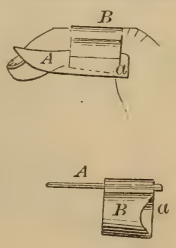
68010—A. Steers—*Leaching Tan Bark.*



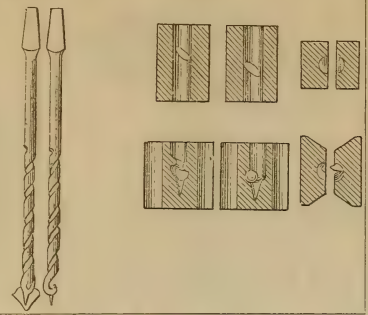
68007—J. Schenker—*Windmill.*



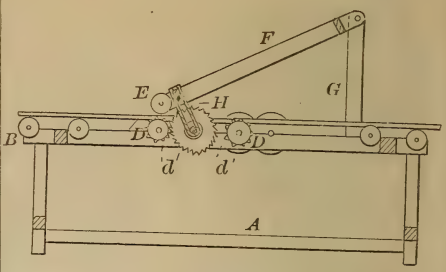
68011—Strong & Dadmun—*Fruit Stem Cutter.*



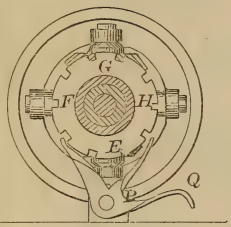
68012—J. Swan—*Auger.*

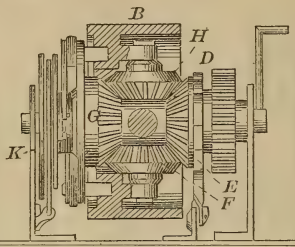


68013—E. Tarrant—*Sawing Machine.*

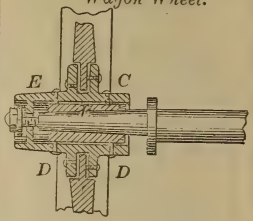


68015—E. Ware—*For Propelling Steam Carriages.*

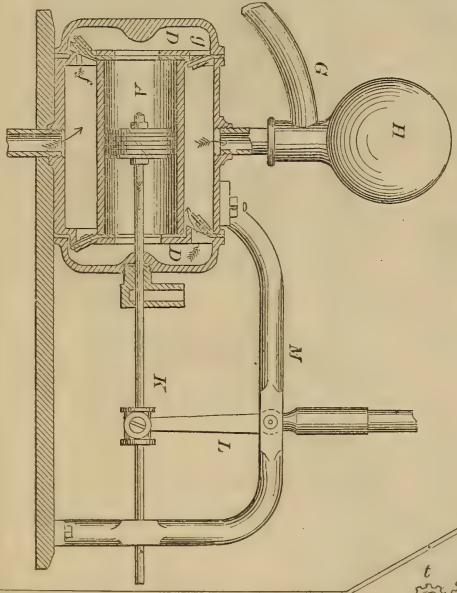




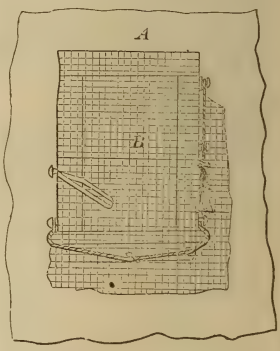
68017—S. B. Welton—*Wagon Wheel.*



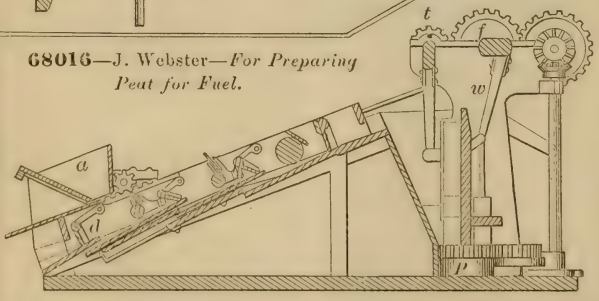
68014—Vermiand & Lucie—*Pump.*



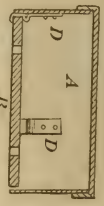
68018—N. Weston, Jr.—*Mosquito and Fly Net.*



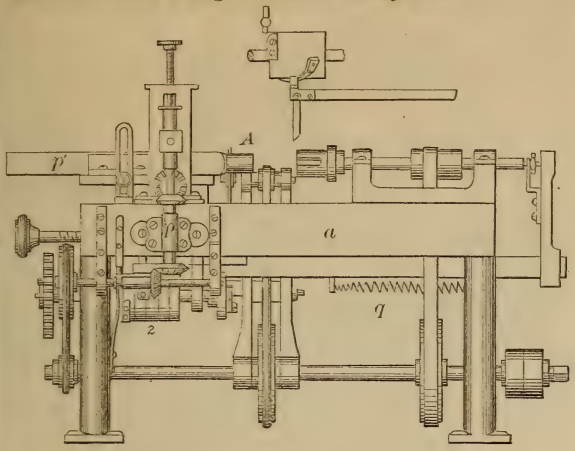
68016—J. Webster—*For Preparing Peat for Fuel.*



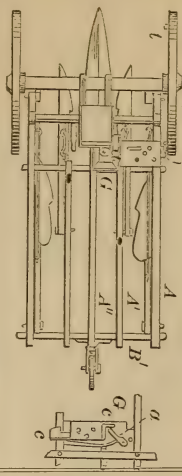
68019—J. White—*Fruit Box.*



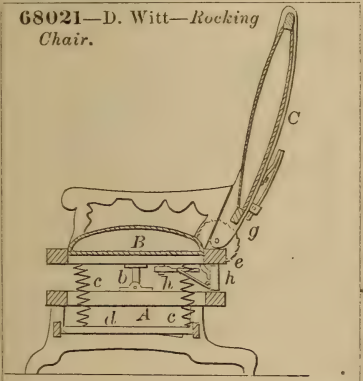
68020—Wilson & Hughes—*Wood Turning Lathe.*



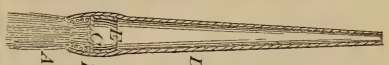
68026—J. Adams—*Planter and Cultivator.*



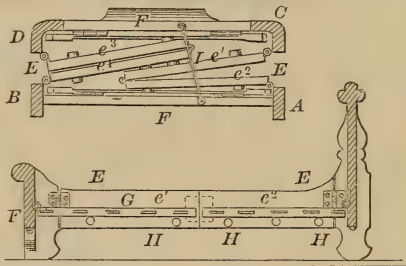
68021—D. Witt—*Rocking Chair.*



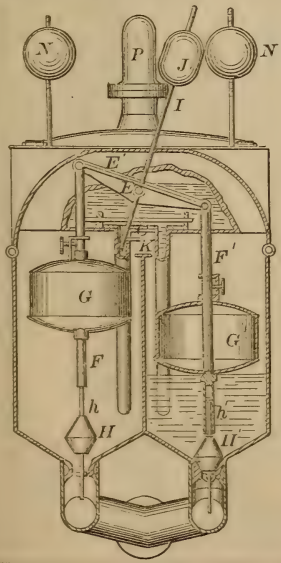
68022—J. B. Wood—*Sash Brush.*



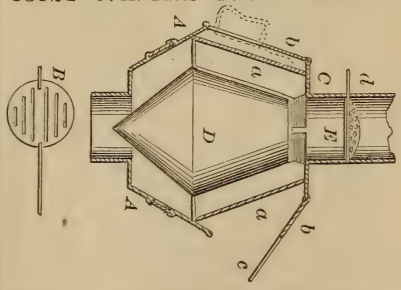
68023—B. F. Woodside—*Bedstead.*



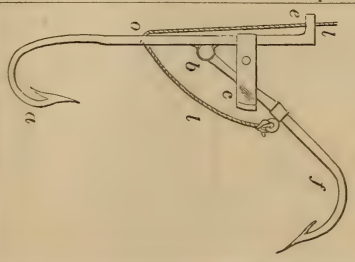
68025—R. W. Young—*Liquid Meter.*



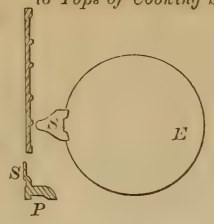
68024—J. H. Yates—*Flat Iron Heater.*



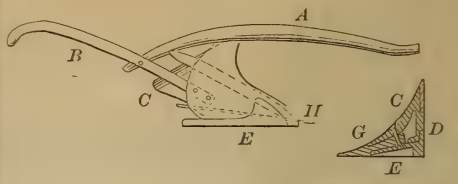
68027—F. Angilard—*Fish Hook.*



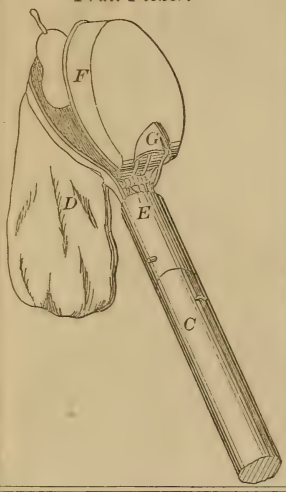
68029—C. J. Ball—*Hinging Covers to Tops of Cooking Stoves.*



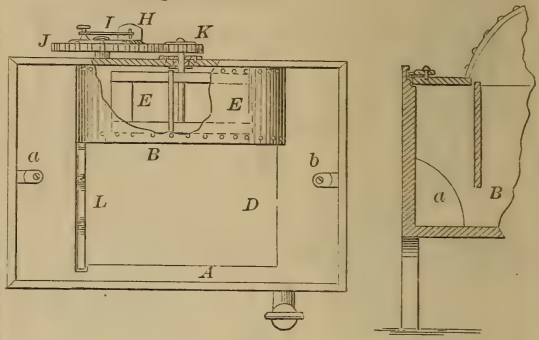
68032—A. C. Belt—*Plow.*



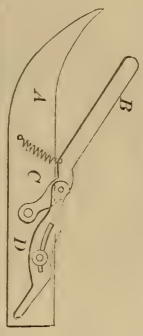
68030—A. T. Barnes—*Fruit Picker.*



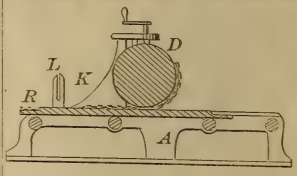
68034—T. Bogan—*Churn.*



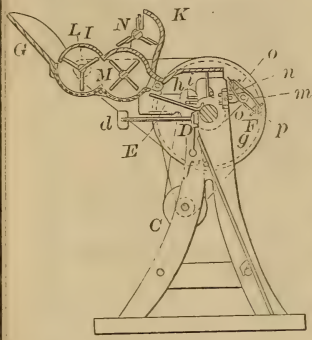
68031—Bartlett & Wadman—*For Propelling Sleds by Hand.*



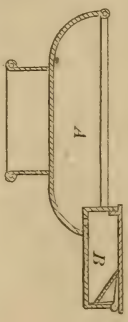
68033—W. E. Bird—*For Making Cores for Pipe Casting.*



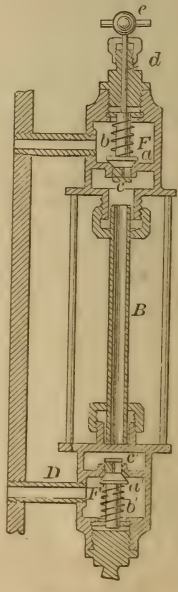
68035—Brackett & Dearborn—*Cotton Gin and Picker.*



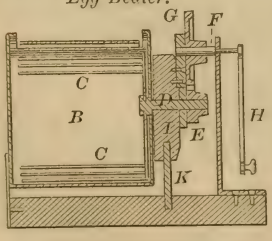
68036—W. Bradley—*Wash Basin.*



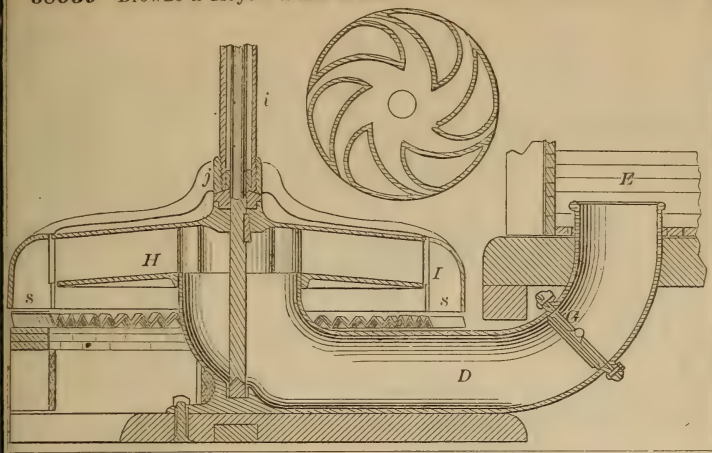
68038—A. P. Brown—*Steam Generator Water Gauge.*



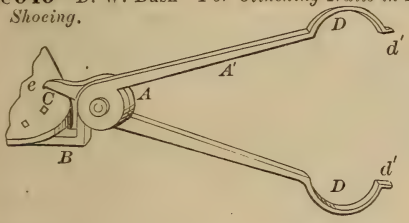
68037—G. E. Bridger—*Egg Beater.*



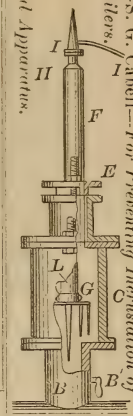
68039—Browne & Hoyt—*Water Wheel.*



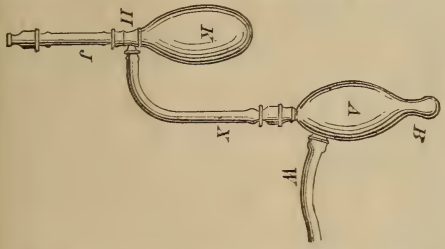
68040—D. W. Bush—*For Clinching Nails in Horse Shoeing.*



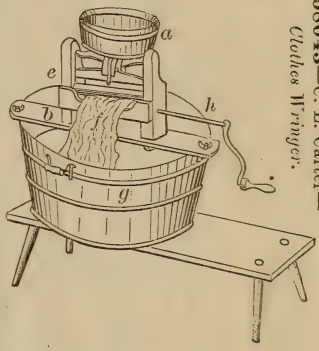
68041—S. G. Cabell—*For Preventing Incrustation of Steam Boilers, Electrical Apparatus.*



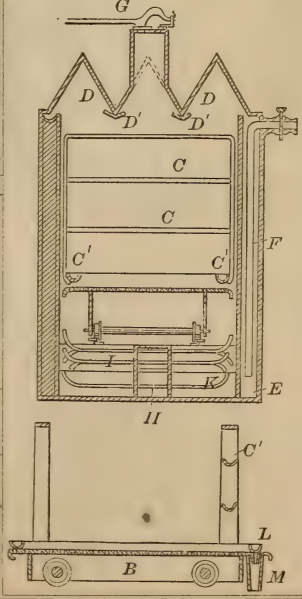
68042—R. A. Cameron—*Hemorrhoidian.*



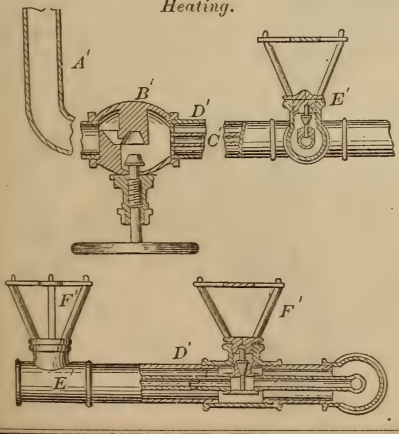
68043—C. L. Carter—*Clothes Wringer.*



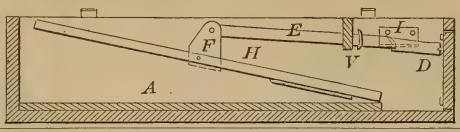
68044—S. Chapman—*Kiln for Drying and Preparing Peat.*



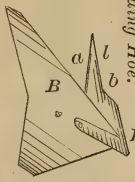
68045—Childs & Copeland—*Vapor Burner for Heating.*



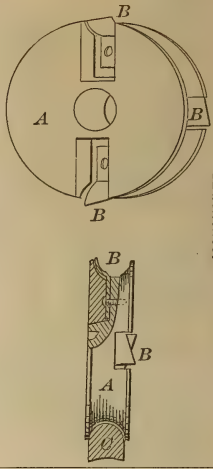
68046—G. C. Clarke—*Animal Trap.*



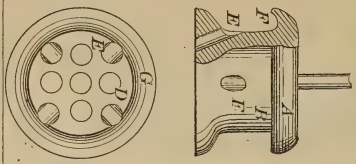
68047—E. M. Conkling—*Weeding Hoe.*



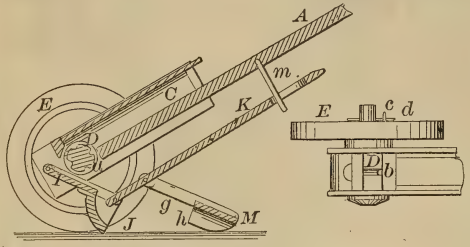
68048—M. F. Connett—*Cutter Head for Planing Machines.*



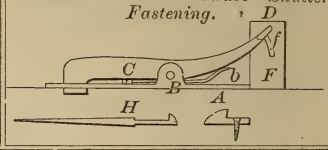
68049—J. J. Cumming—*Churn Dasher.*



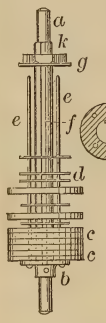
68050—H. V. Davis—*Hand Seed Planter.*



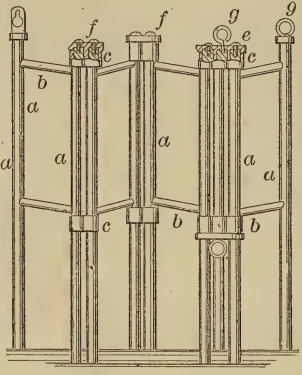
68053—B. K. Dorwart—*Shutter Fastening.*



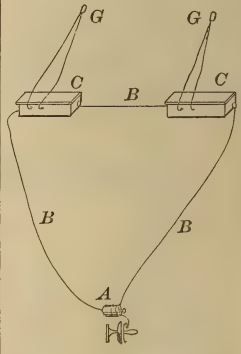
68052—W. Dearborn—*Rubber Roller for Cotton Gins.*



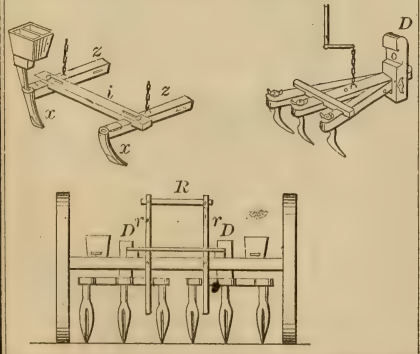
68054—J. H. Doughty—*Clothes Dryer.*



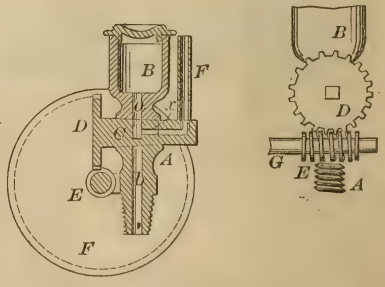
68055—J. B. Dowse—*Fire Exploding by Electricity.*



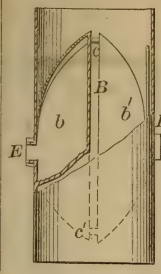
68056—R. N. Ely—*Cultivator.*



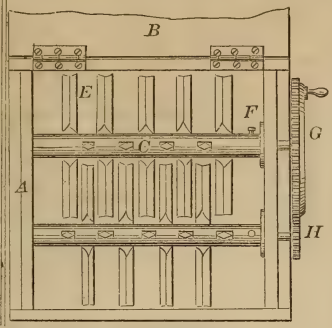
68057—J. G. Edgell—*Lubricator for Shafting.*



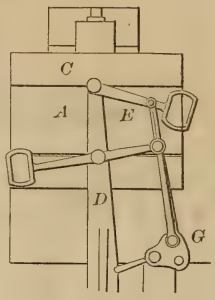
68058—G. B. Field—*Ore Roasting Furnace.*



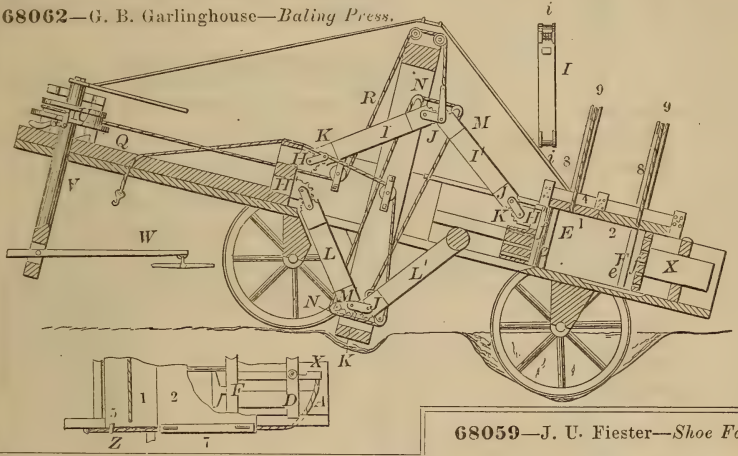
68060—G. W. Fowler—*Churn.*



68061—A. M. Freeland—*Belt Shifting Device.*

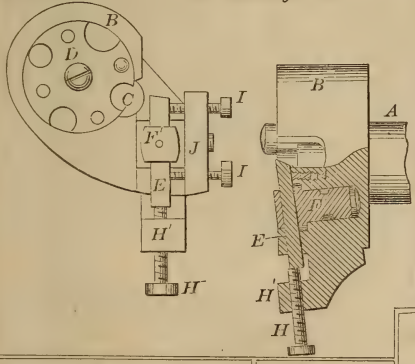


68062—G. B. Garlinghouse—*Baling Press.*

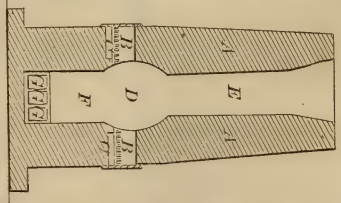


68059—J. U. Fiester—*Shoe Fastener.*

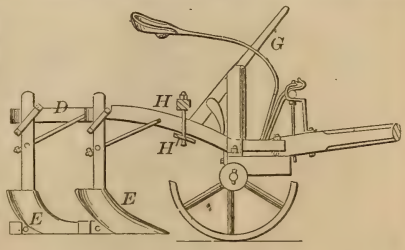
68064—A. W. Gifford—*Milling Tool.*



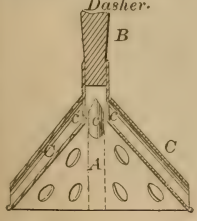
68063—L. Gibbs—*Lime Kiln.*



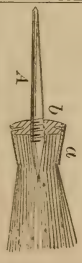
68065—S. I. & G. M. Gillham—*Gang Plow.*



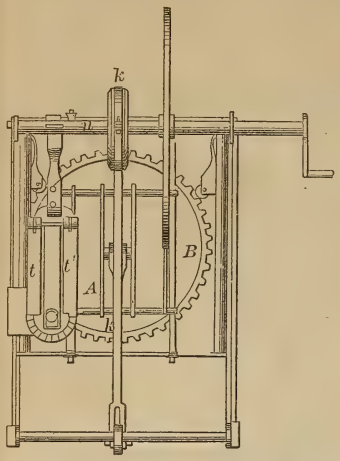
68067—H. Grass—*Churn Dasher.*



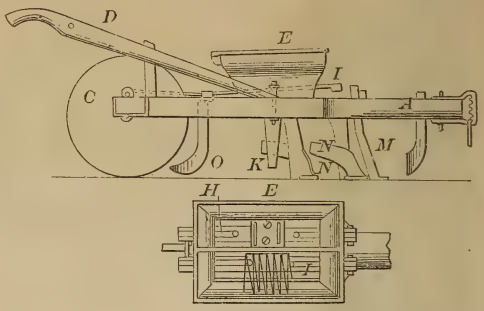
68066—Gillman & Beamish—*Paint Brush.*



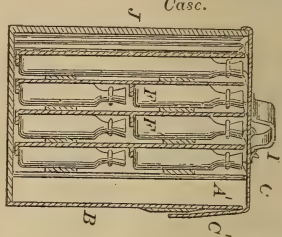
68068—J. C. Haefele—*Meat Cutter.*



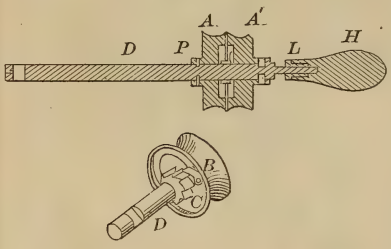
68070—S. Harpster—*Corn Planter.*



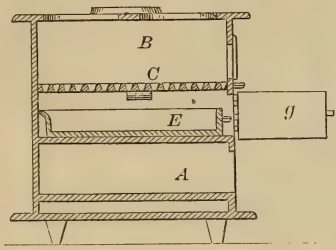
68073—Haynes & Worthington—*Medicine Case.*



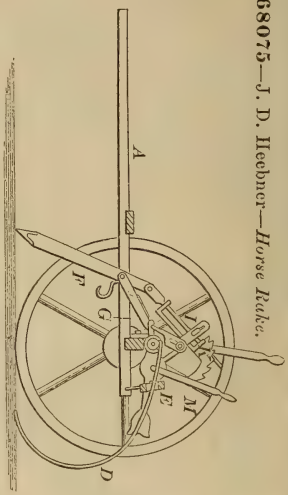
68071—D. F. Hartford—*Bow Drill Stock.*



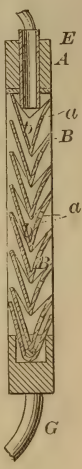
68072—L. W. Harwood—*Cooking Stove.*



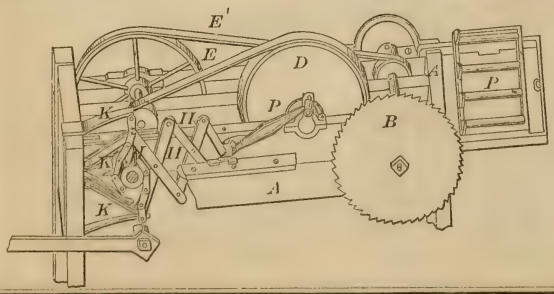
68075—J. D. Heebner—*Horse Rake.*

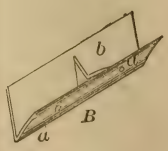


68076—W. P. Hoffman—*Window Blind.*

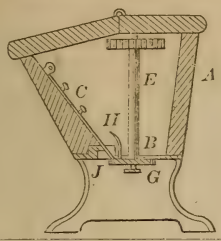


68074—E. Healy—*Mechanical Movement for Working Saws, &c.*

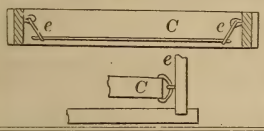




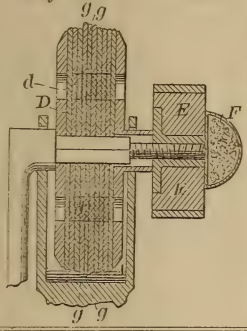
68077—S. Hoke—*For Distributing Fertilizers.*



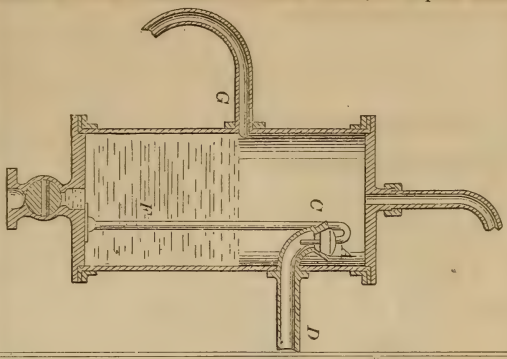
68078—Z. Howe—*Bed Bottom.*



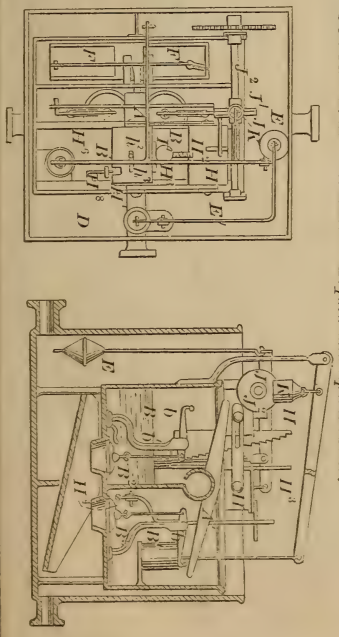
68079—B. F. Hugson—*Knife and Fork Cleaner.*



68080—E. S. Hutchinson—*Check Valve for Liquid Meters.*



68081—E. S. Hutchinson—*Liquid and Spirit Meter.*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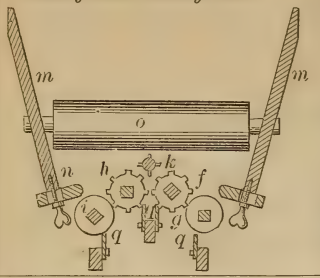
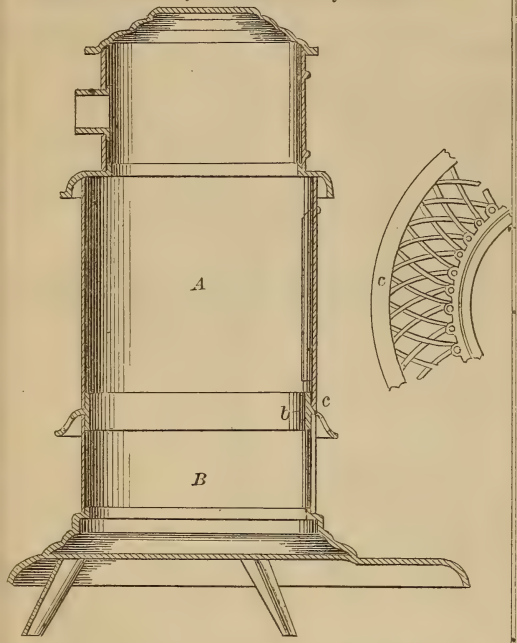
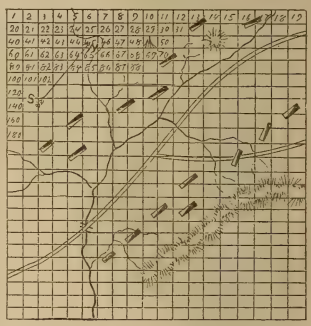
68085—S. R. Kenyon—*For Picking and Husking Corn.*



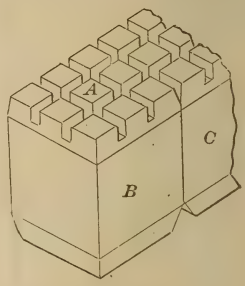
68086—J. H. Keyser—*Foot Rest for Stoves.*



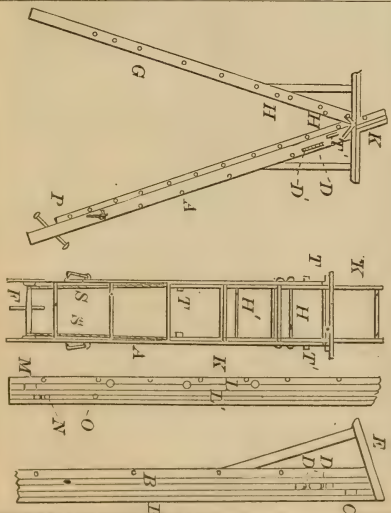
68088—T. W. Knox—*Transmitting Plans of Battle Fields by Telegraph.*



68089—P. Koch—*Wooden Pavement.*

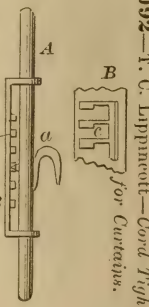


68090—C. J. Komar—*Step and Extension Ladder.*

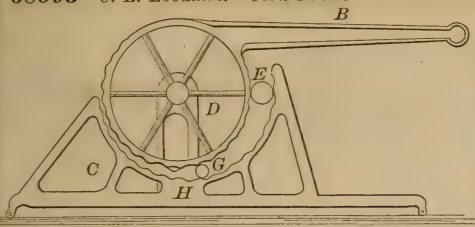


68087—E. E. Kilbourn—*Uniting Edges of Hosiery Goods.*

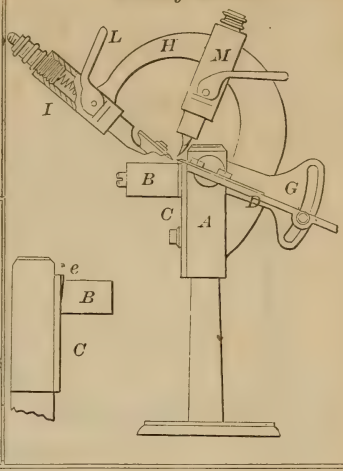
68092—T. C. Lippincott—*Cord Tightener for Curtains.*



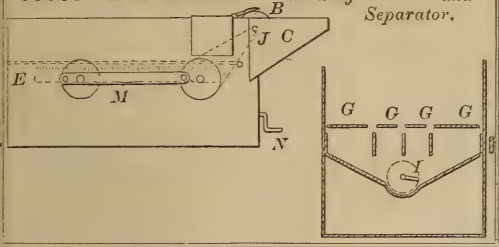
68093—C. L. Lochman—*Cork Press.*



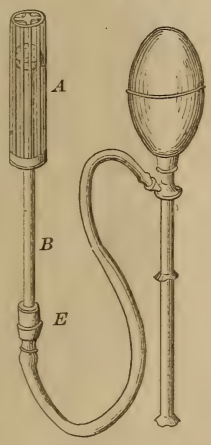
68094—I. Manning—*Channeling and Beveling Machine.*



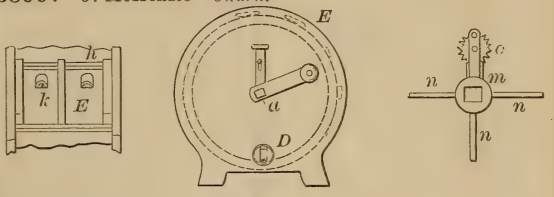
68095—H. W. Matthews—*Threshing Machine and Separator.*



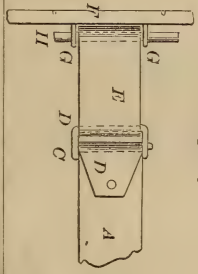
68096—M. Mattson—*Vaginal Irrigator.*



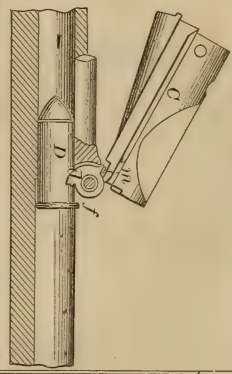
68097—J. McKenzie—*Churn.*



68098—E. D. Merriam—*Bed Bottom Spring.*



68099—W. H. & G. W. Miller—*Cartridge Ejector for Breech-Loading Fire Arms.*



68100—M. B. Mills—*Churn.*

Fig. 1

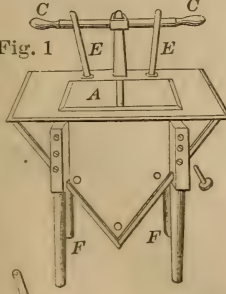
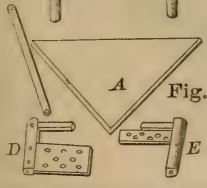
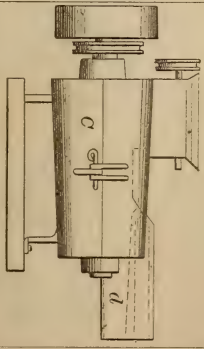
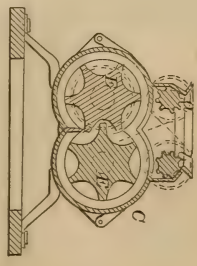


Fig. 2

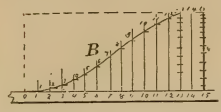


68101—S. Mills—*For Grinding Peat.*

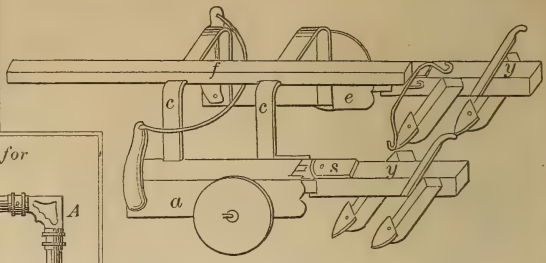




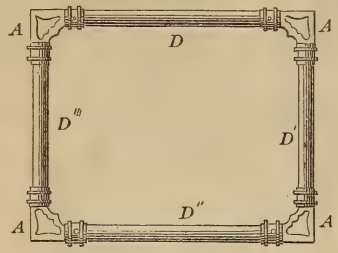
68102—G. Moore—*Plow.*



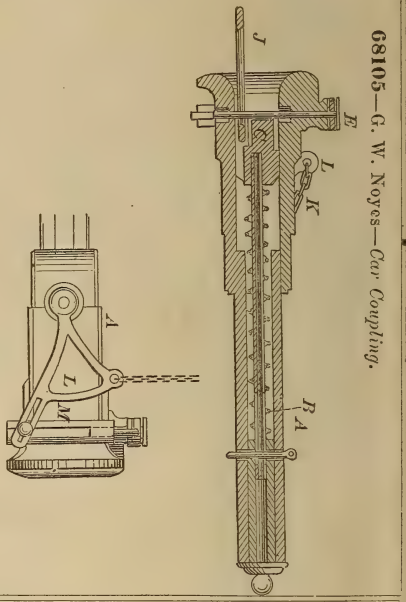
68104—E. Newlon—*Cultivator.*



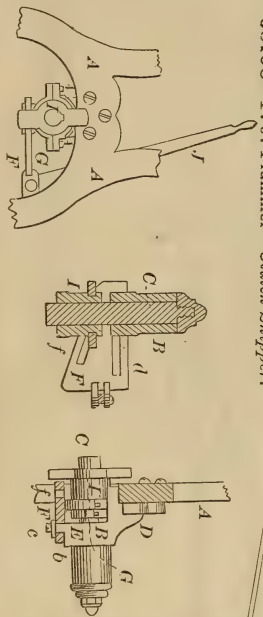
68103—W. H. Nash—*Frame for Window Screens.*



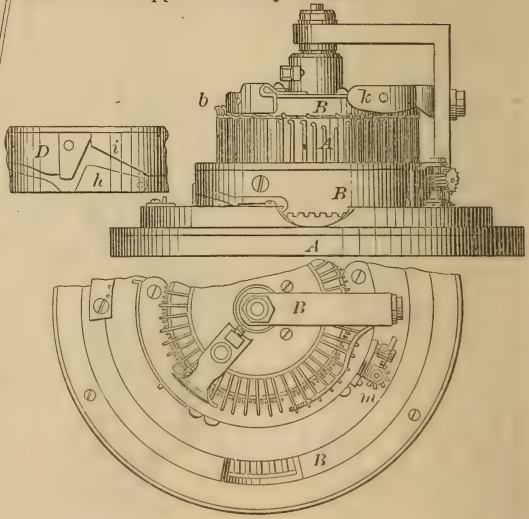
68105—G. W. Noyes—*Car Coupling.*



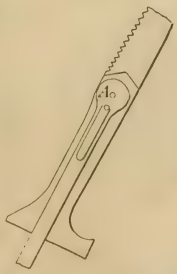
68108—F. J. Plummer—*Clutch Shipper.*



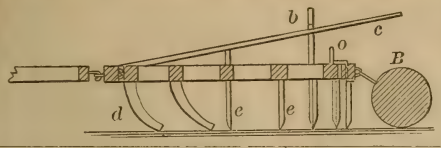
68107—J. Pepper—*Knitting Machine.*



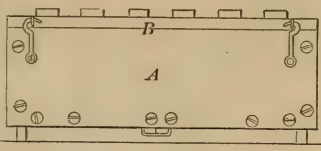
68109—R. W. Porter—*Pruning Knife, Hook and Saw.*

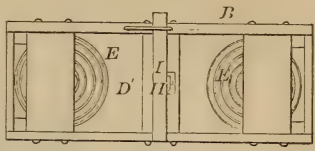


68110—J. Prutzman—*For Pulverizing the Earth.*

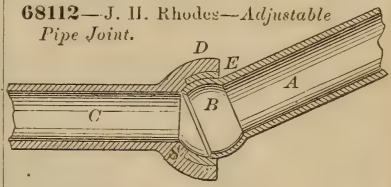


68111—J. C. Ramsey—*Feeding Rack for Stock.*

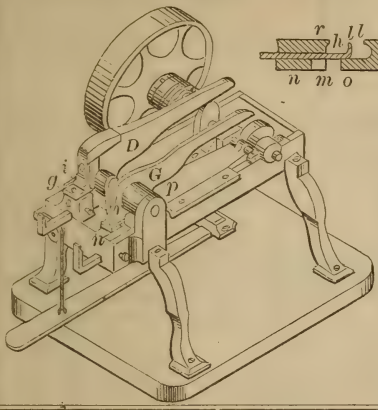




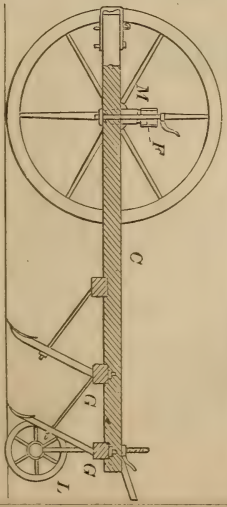
68112—J. H. Rhodes—*Adjustable Pipe Joint.*



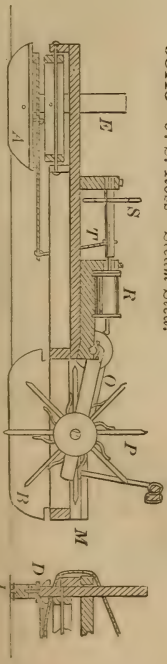
68113—W. T. Richards—*Making the Eye of Elliptic Springs.*



68114—Roman & Peterka—*Plow and Cultivator.*



68115—J. S. Ross—*Steam Sled.*



68116—F. L. Roux—*Sheathing of Ships' Bottoms.*

Fig. 19

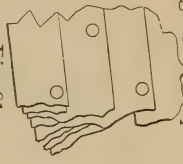


Fig. 21

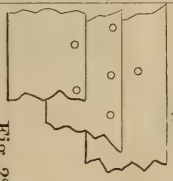


Fig. 22

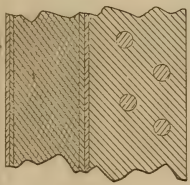


Fig. 20

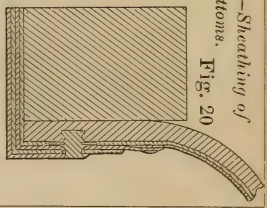
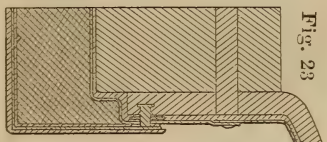
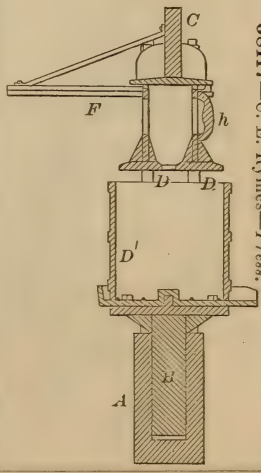


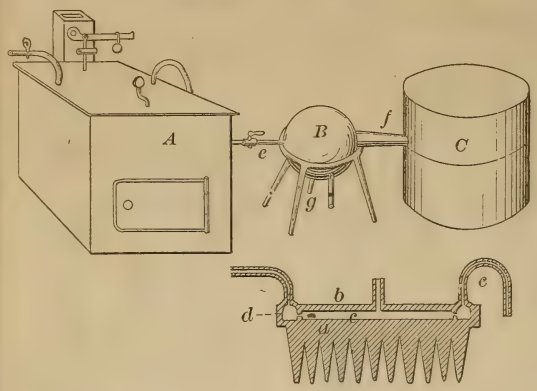
Fig. 23



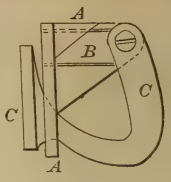
68117—C. E. Rymes—*Press.*



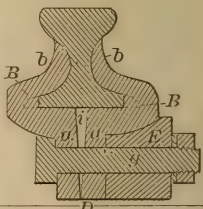
68118—S. C. Salisbury—*Converting Iron and Steel.*



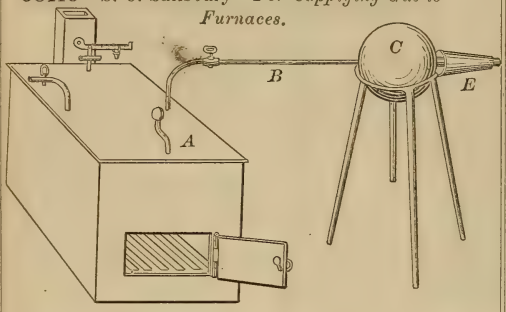
68121—C. E. Schwind—*Carriage Hinge.*



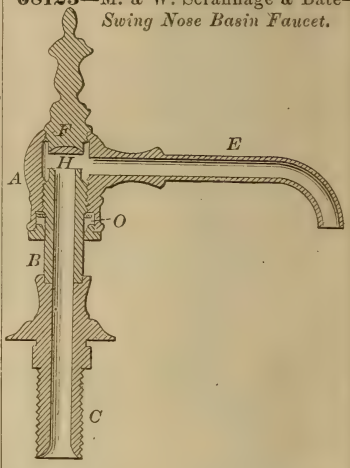
68122—B. Scott—*Railroad Rail Joint.*



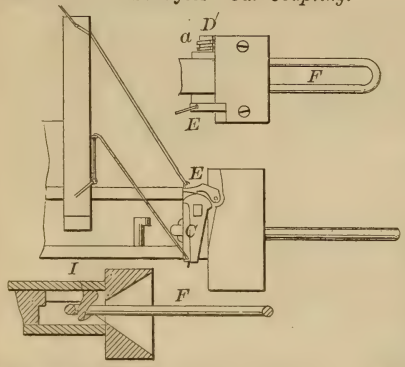
68119—S. C. Salisbury—*For Supplying Gas to Furnaces.*



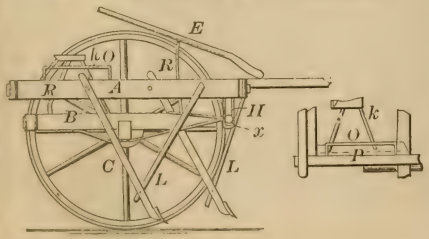
68123—M. & W. Scrannage & Bate—*Swing Nose Basin Faucet.*



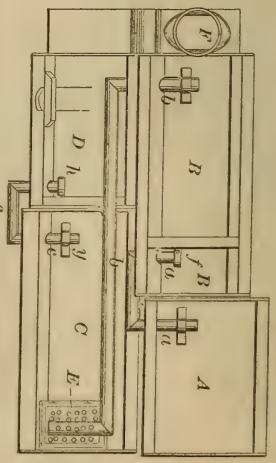
68120—P. H. Schuyler—*Car Coupling.*



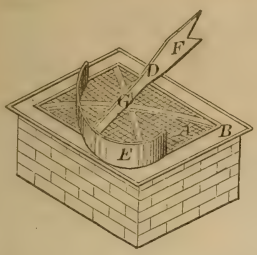
68124—W. A. Sisson—*Wheel Cultivator.*



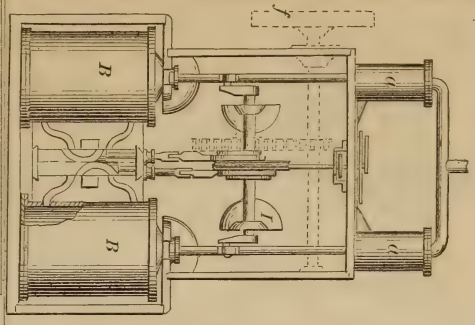
68125—A. B. Smith—*Sorghum Sugar Evaporator.*



68126—J. Snively—*Chimney Top.*

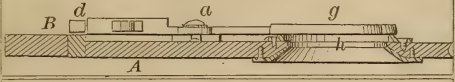


68127—E. Spencer—*Water Meter and Force Pump.*

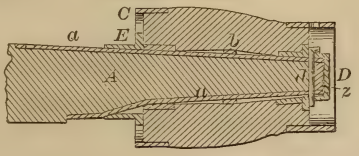


68128—J. A. Talpey—*Wrench.*

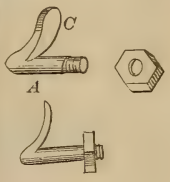
68129—H. K. Taylor—*Indicator for Water Closets.*



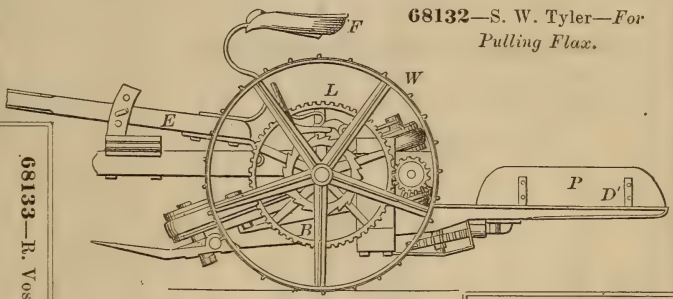
68130—H. T. Tichenor—*Axle.*



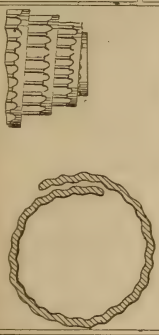
68131—M. G. Tousley—*Snout Ring for Swine.*

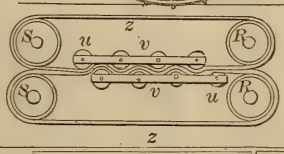


68132—S. W. Tyler—*For Pulling Flax.*

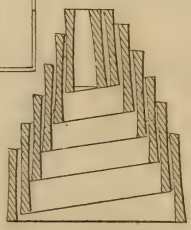


68133—R. Vose—*Car Spring.*



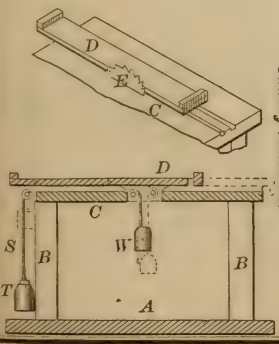


68134—R. Vose—*Car Spring.*

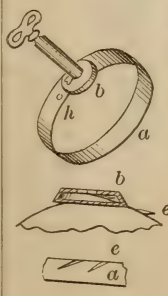


68136—H. Weston—*Lamp.*

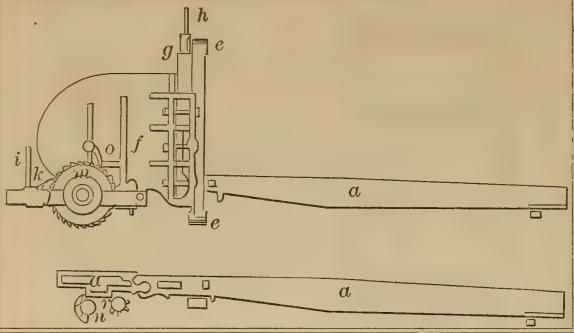
68137—R. V. Whiting—*Circular Sawing Machine.*



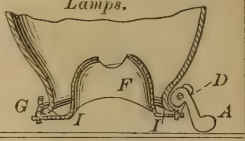
68138—A. H. Whitney—*Lock Clasp for Umbrellas.*



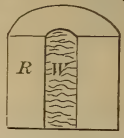
86139—Wilson & Smith—*Furnace Grate.*



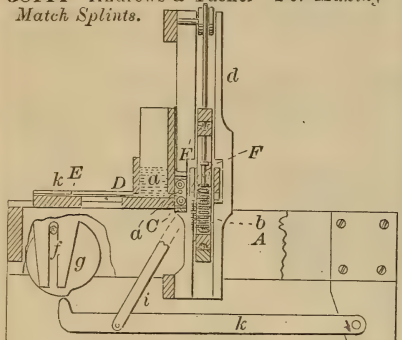
68142—J. B. Alexander—*For Attaching Chimneys to Lamps.*



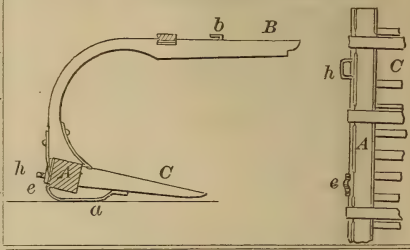
86143—T. F. Allyn—*Car Spring.*



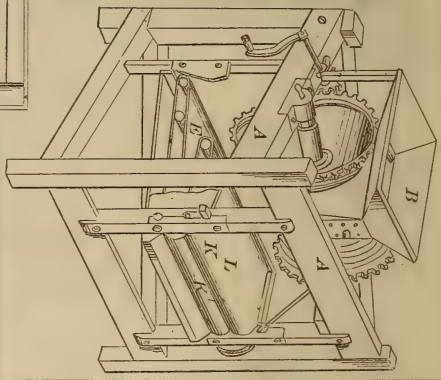
68144—Andrews & Tucker—*For Making Match Splints.*



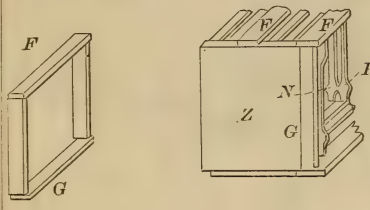
68140—J. Zimmerman—*Horse Rake.*

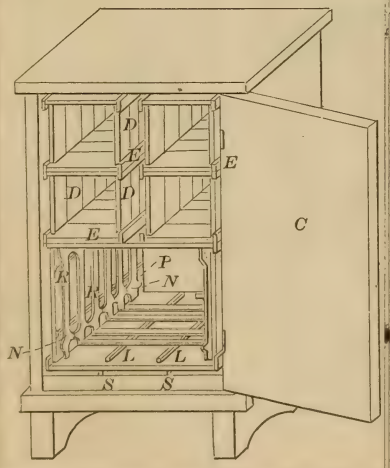


68145—R. C. Archibald—*Cider Mill.*

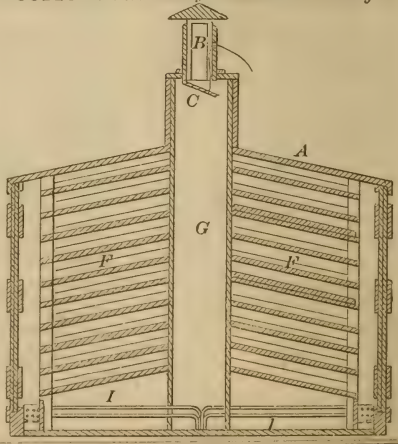


86141—D. L. Adair—*Beehive.*

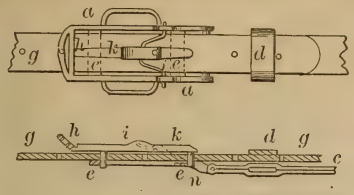




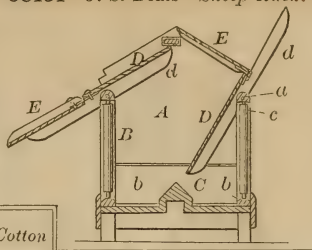
68146—E. F. Bailey—*Card Board Dryer.*



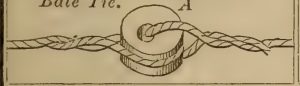
68147—R. J. Baker—*Trace Buckle.*



68151—J. S. Beals—*Sheep Rack.*

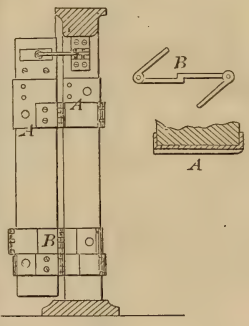


68149—A. Barbarin—*Bale Tie.*

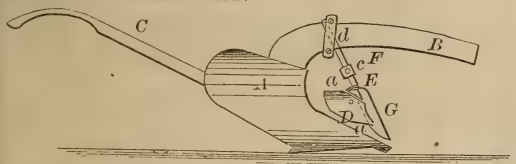


68148—A. Barbarin—*Cotton Bale Tie.*

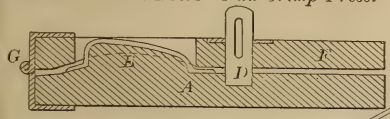
68150—B. F. Barker—*Butt Hinge.*



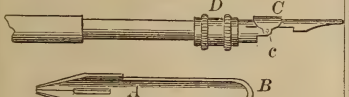
68152—J. S. Beals—*Plow.*



68156—H. H. Beers—*Pad Crimp Press.*

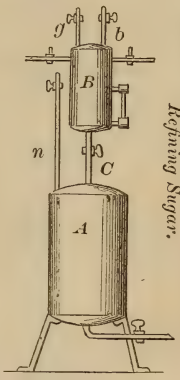


68153—W. F. Beaton—*Pen and Eraser.*

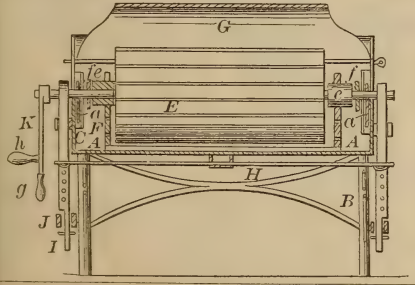


68158—G. W. Bennett—*Paint Can.*

68157—R. W. Bender—*Filter for Refining Sugar.*

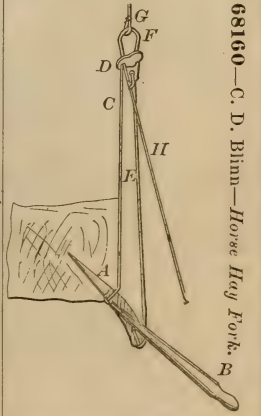


68155—E. Beckwith—*Washing Machine.*

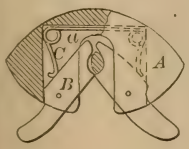


68154—W. F. Beaton—*Frame for the Glasses of Carriage Curtains.*

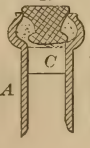
68160—C. D. Binn—*Horse Hay Fork.*



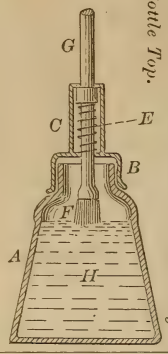
68161—H. T. Boutell—*Clothes Pin.*



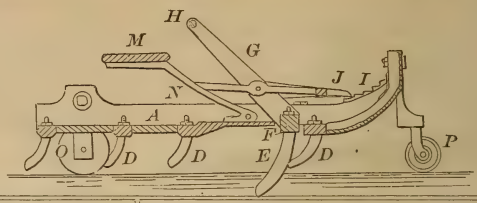
68162—T. S. Bowman—*Closing Bottles*



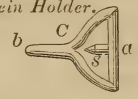
68163—W. Burnet—*Brush and Mucilage Bottle Top.*



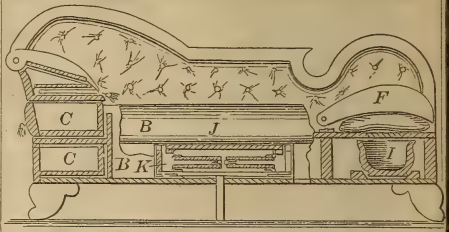
68169—J. Click—*Harrow.*



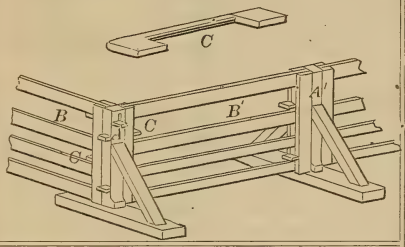
68172—McD. Darrow—*Rein Holder.*



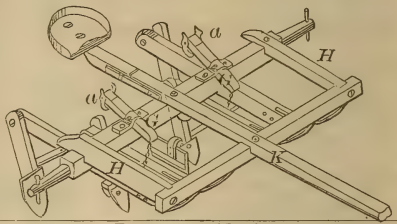
68164—S. Buttenheim—*Nursery Lounge.*



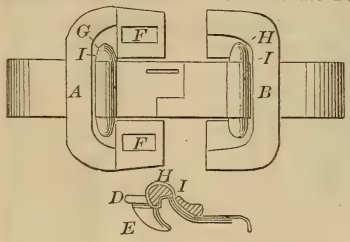
68166—P. Chandler—*Portable Fence.*



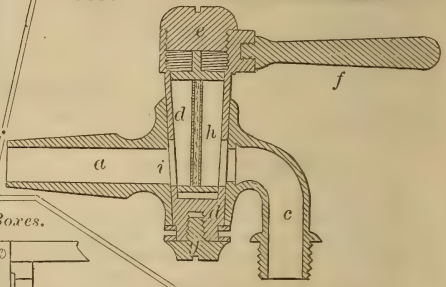
68165—A. Canfield—*Corn Cultivator.*



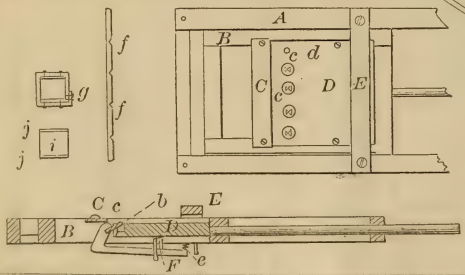
68167—M. D. Cheek—*Cotton Bale Tie.*



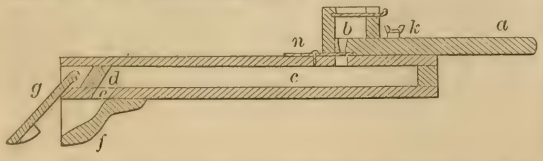
68170—R. B. Coar—*Filter Faucet.*



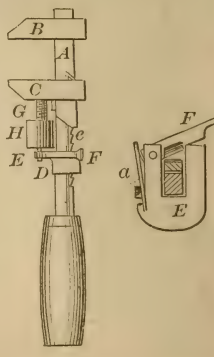
68171—C. Colby—*For Cutting Berry Boxes.*



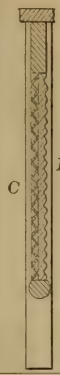
68173—H. V. Davis—*Seed Drill.*



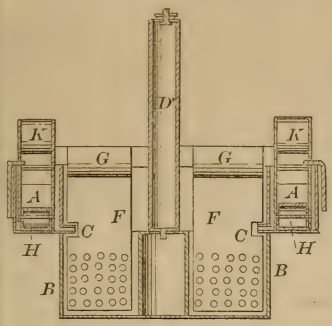
68168—T. D. Christopher—*Wrench.*



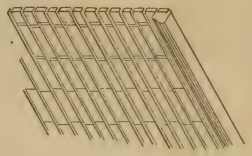
68174—L. De Golia—*Wash Board.*



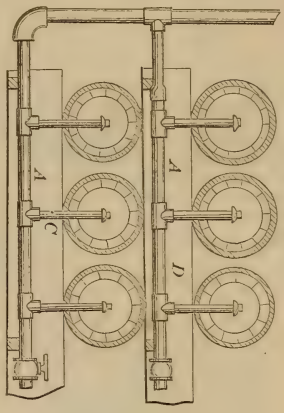
68175—G. B. Field—*Amalgamator.*



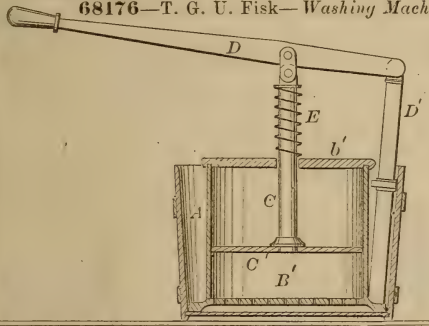
68180—F. Gesswein—*Window Shade.*



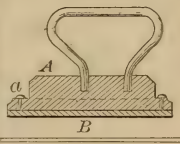
68181—S. Gibbons—*Drying Barrels.*



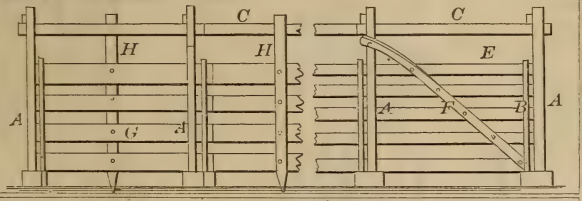
68176—T. G. U. Fisk—*Washing Machine.*



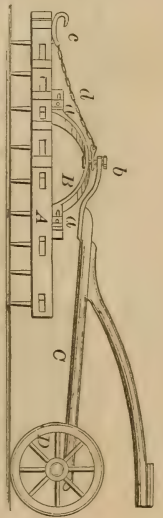
68178—J. Frasr—*Smoothing Iron.*



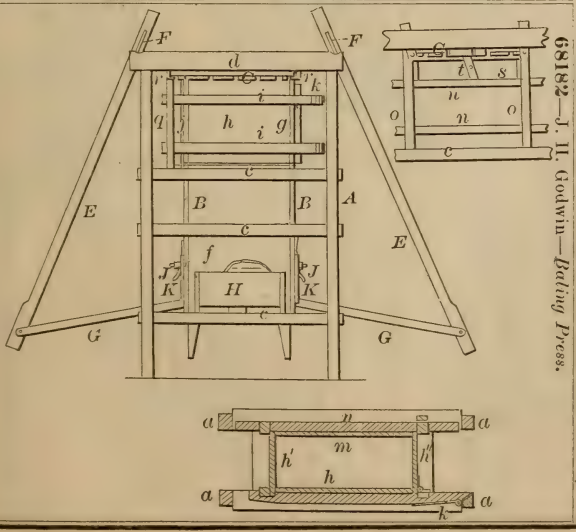
68177—B. Force—*Fence.*



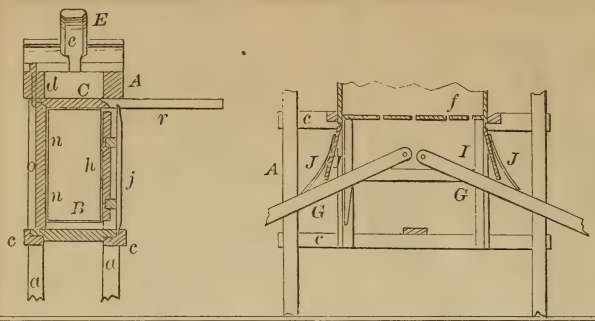
68179—J. M. Freeman—*Riding Attachment for Harrows.*



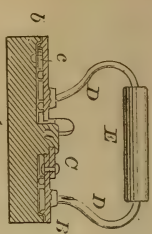
68182—J. H. Godwin—*Baling Press.*



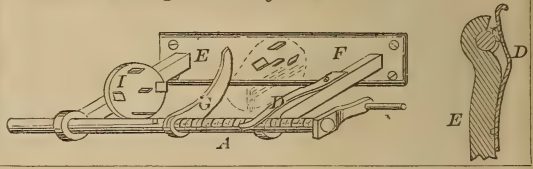
68182—*Continued.*



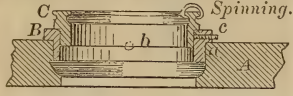
68183—J. Gray—*Stud Iron.*



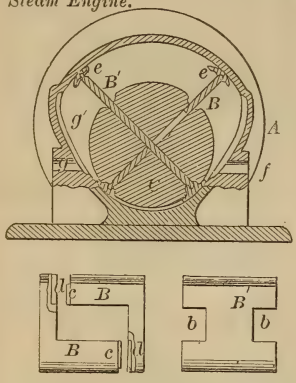
68184—V. Hagmann—*Vegetable Cutter.*



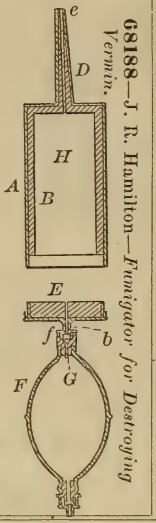
68185—H. G. Hall—*Ring for Spinning.*



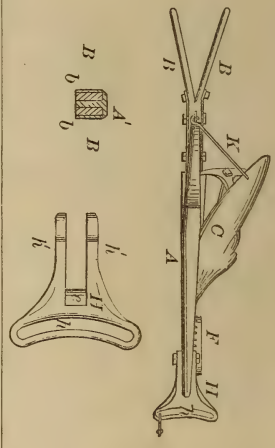
68186—S. G. Hall—*Rotary Steam Engine.*



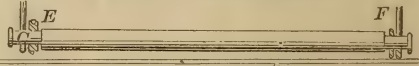
68188—J. R. Hamilton—*Fumigator for Destroying Vermin.*



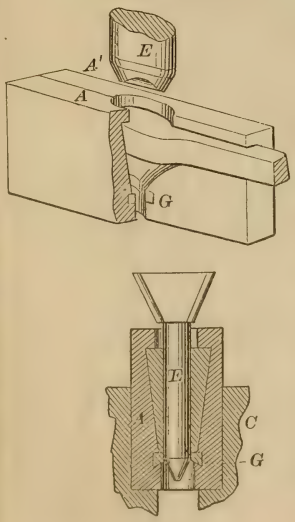
68190—R. Harlenbrook—*Grape Plow.*



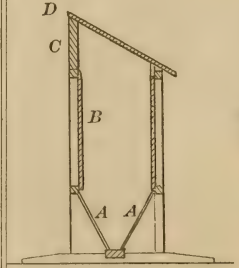
68189—O. Hanks—*Curtain Fixture.*



68187—H. M. Hamilton—*Die for Forming the Eyes of Picks.*

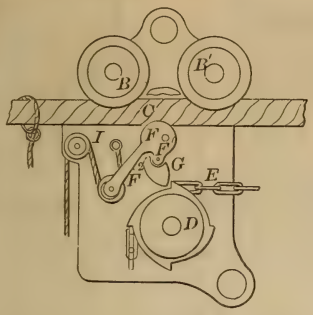


68191—J. Harman—*Sheep Rack and Manger.*

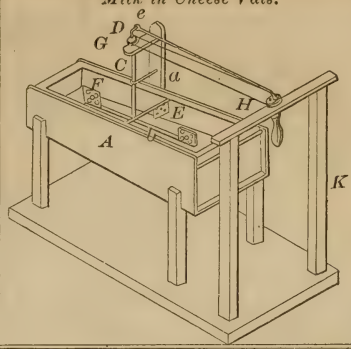


68192—S. Harris—*Stock Weight.*

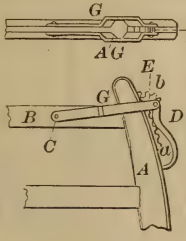
68193—W. H. Hawley—*Elevating Block.*



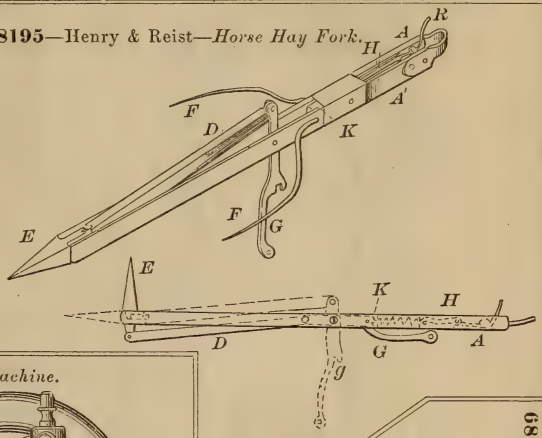
68198—J. C. House—*For Agitation of Milk in Cheese Vats.*



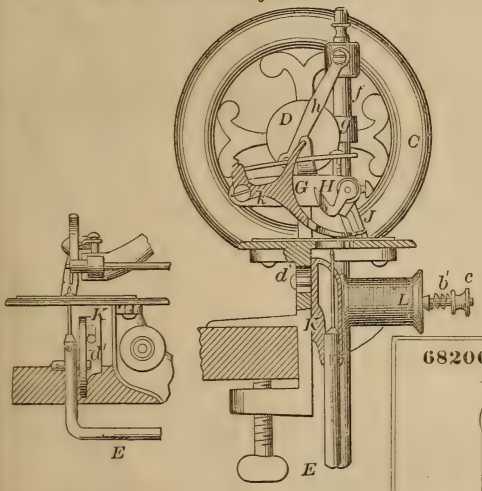
68194—H. M. Hayward—*Buck Saw Frame.*



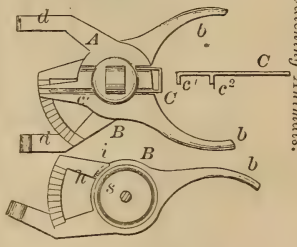
68195—Henry & Reist—*Horse Hay Fork.*



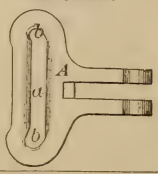
68196—W. S. Hill—*Sewing Machine.*



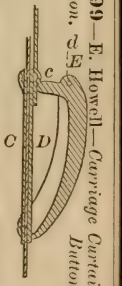
68197—W. L. Hopper—*For Catching Animals.*



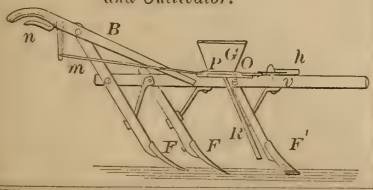
68200—H. Ingraham—*Plow Clevis.*



68199—E. Howell—*Carriage Curtain Button.*

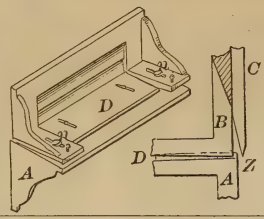


68201—D. W. Jacoby—*Corn Planter and Cultivator.*

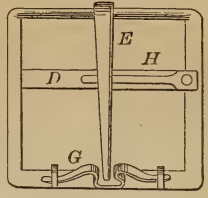


68202—E. A. Jeffery—*Griddle.*

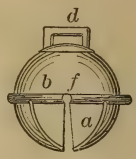
68203—E. Jewett—*Veneer Cutter.*



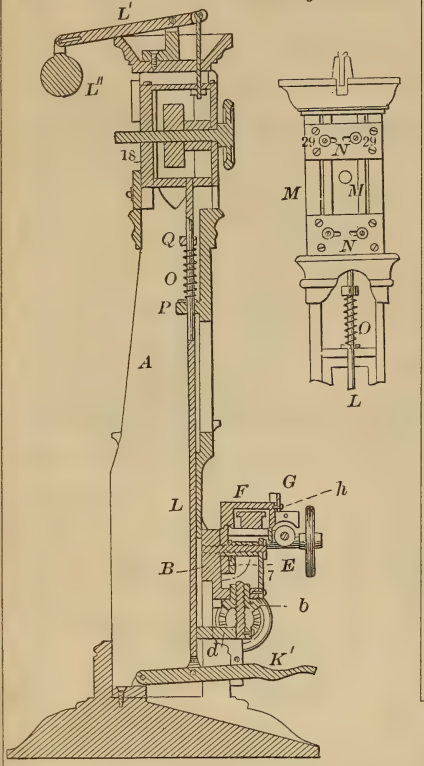
68204—W. B. Johnson—*Buckle.*



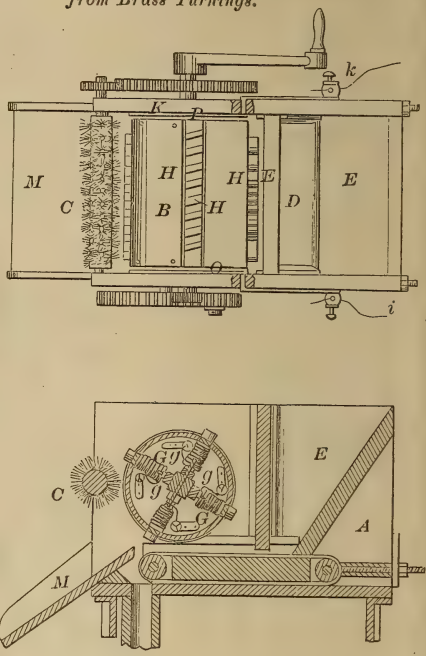
68206—A. Jusberg—*Casting Bells.*



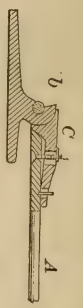
68298—D. L. Gibbs—*Mortising Machine.*



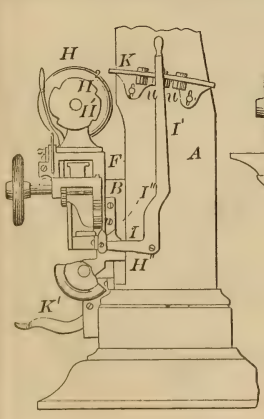
68205—J. Jonson—*For Separating Iron from Brass Turnings.*

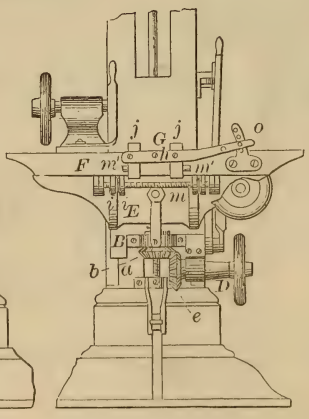


68207—W. J. Keeney—*Harvester Pitman.*

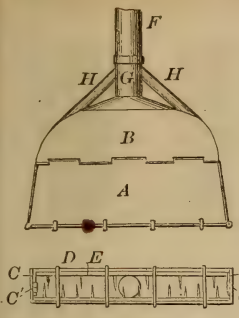


68208—O. P. Kingman—*Watch Key.*

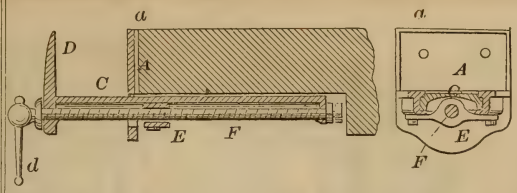




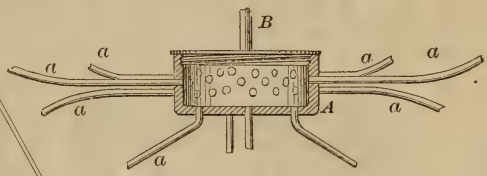
68209—I. Kohn—*Broom Head.*



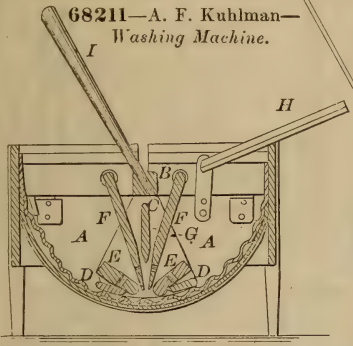
68215—J. Lee—*Vise.*



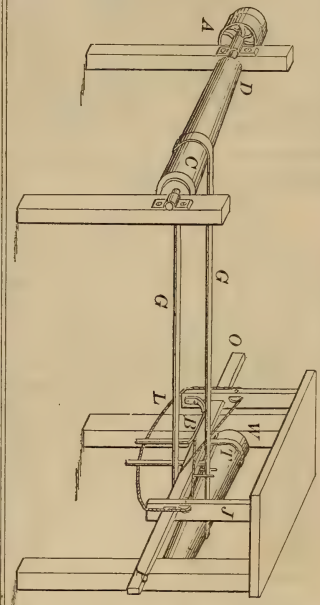
68210—A. Komp—*Steam Heating Apparatus.*



68211—A. F. Kuhlman—*Washing Machine.*

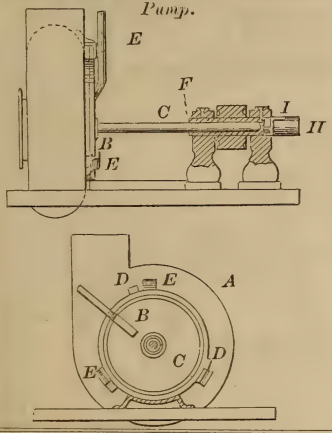


68212—C. M. Langley—*For Driving Printing Presses.*

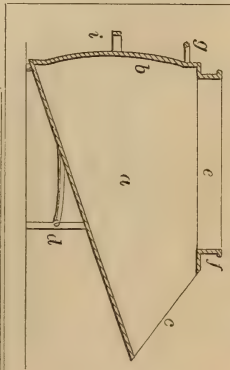


68217—E. C. Lewis—*Elliptic Spring.*

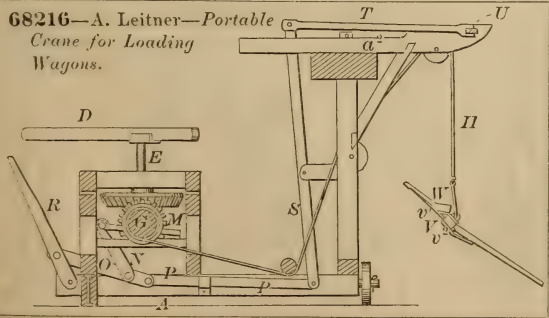
68214—N. H. Lebby—*Centrifugal Pump.*



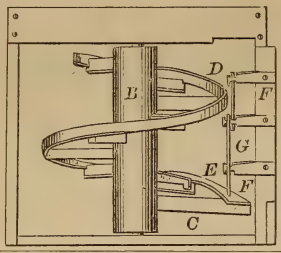
68213—J. A. Lawson—*Coal Hod.*



68216—A. Leitner—*Portable Crane for Loading Wagons.*

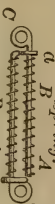


68218—H. Little—*For Elevating Ice.*

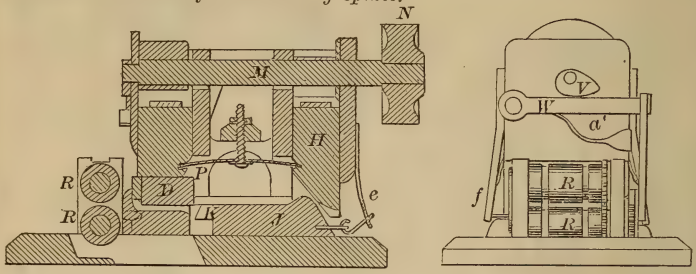


68219—C. L. Lucas—*Permutation Lock.*

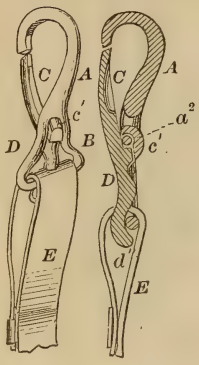
68220—G. B. Markham—*Bed Spring.*



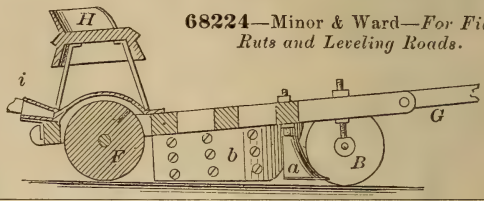
68222—R. G. McKay—*For Making Spikes.*



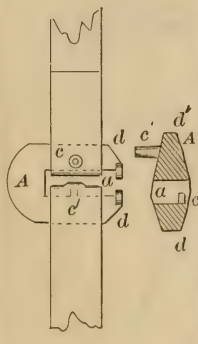
68223—C. Miller—*Snap Hook.*



68224—Minor & Ward—*For Filling Ruts and Leveling Roads.*

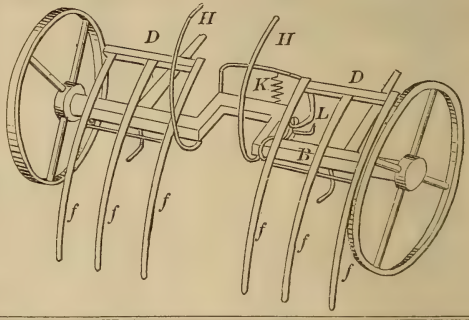


68225—S. J. Mitchell—*Cotton Bale Tie.*

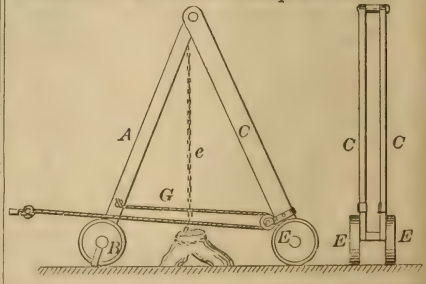


68226—H. F. Morton—*Sleigh Brake.*

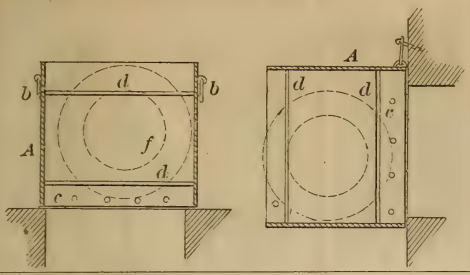
68227—E. Palmer—*Grain Rake.*



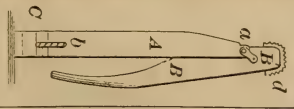
68228—I. H. Palmer—*Stump Extractor.*



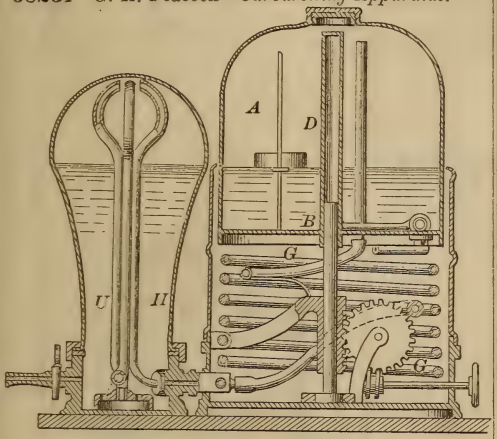
68229—J. C. Palmer—*Plate Warmer.*



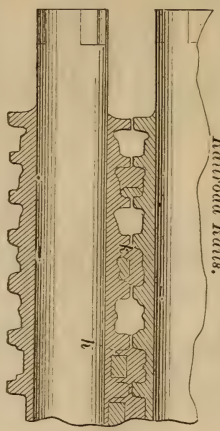
68230—J. N. Parker—*Lifting Jack.*



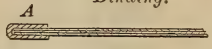
68231—G. H. Peacock—*Carburetting Apparatus.*



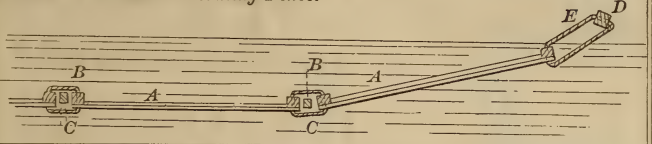
68233—S. L. Potter—*Roll for Rolling Railroad Rails.*



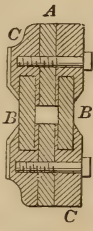
68236—W. P. Read—*Paper Binding.*



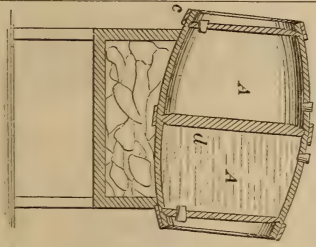
68232—J. Pitcher—*Floating Fence.*



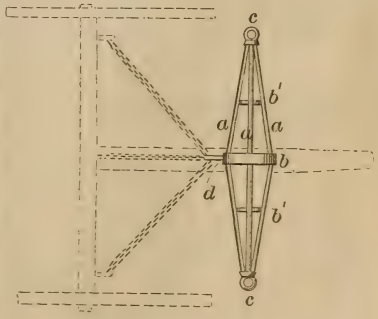
68235—E. Quinn—*Water Gauge for Steam Generators.*



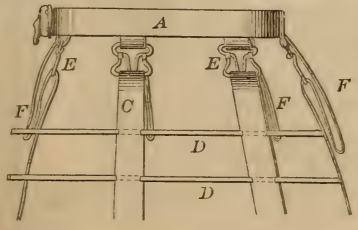
68234—C. T. Provost—*Barrel.*



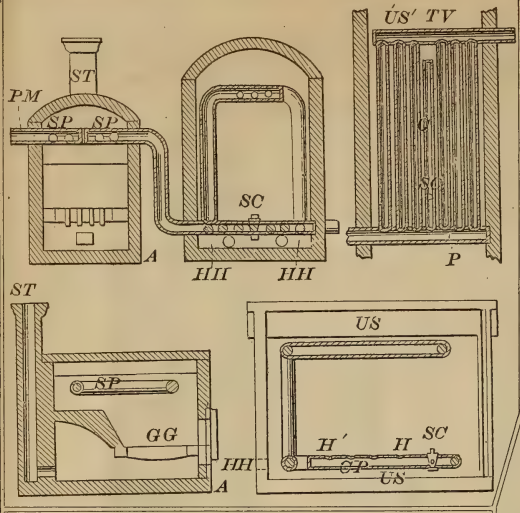
68237—M. Ryerson—*Swingle Tree.*



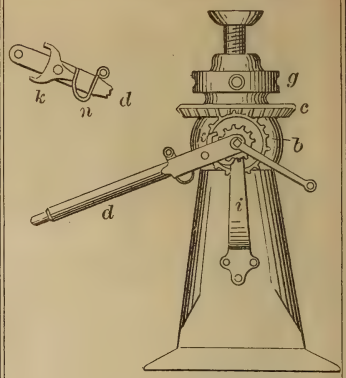
68238—W. S. Ryerson—*Hoop Skirt.*



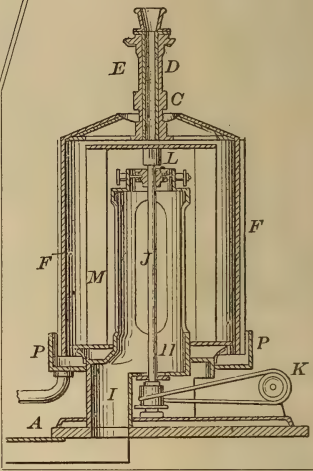
68239—W. Ryner—*Steam Drying Apparatus.*



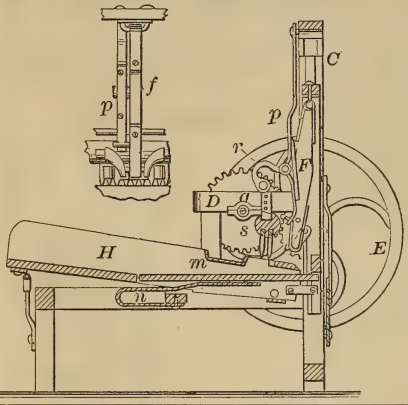
68241—C. H. Sawyer—*Jack Screw.*



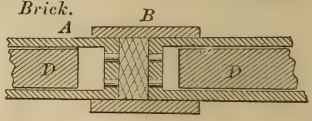
68242—C. Schenck—*Mash and Beer Cooler.*



68243—W. Schreck—*Straw Cutter.*



68244—O. W. Seely—*For Pressing Brick.*



68240—A. Saeger—*Wool Packer.*

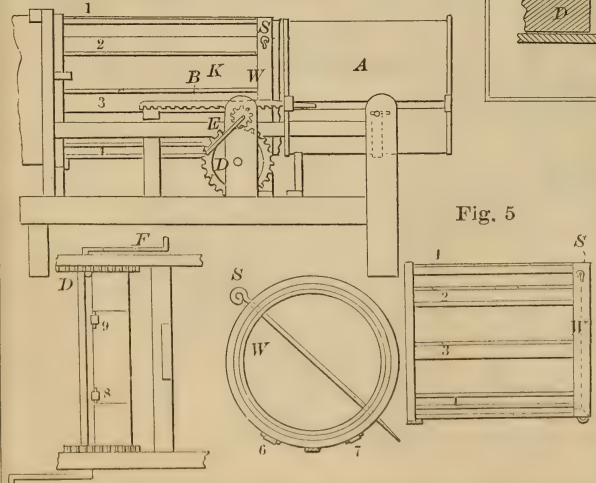
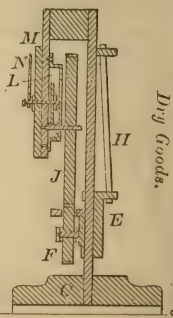
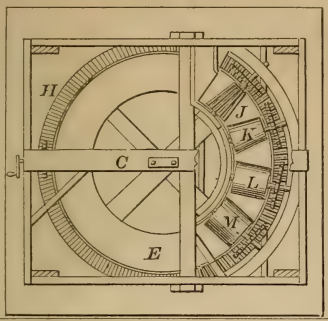


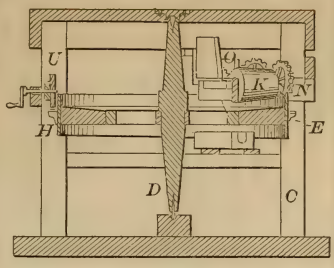
Fig. 5

68245—T. A. Shinn—*For Measuring Dry Goods.*

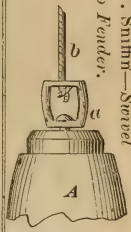


68246—T. A. Shinn—*Cider Mill.*

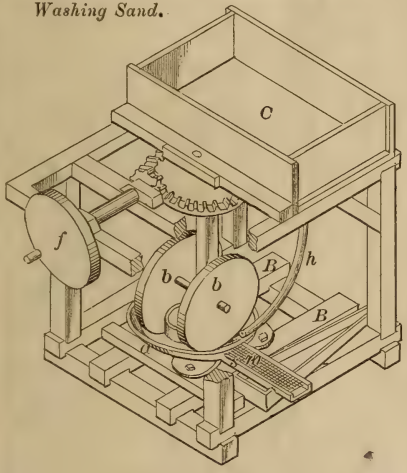




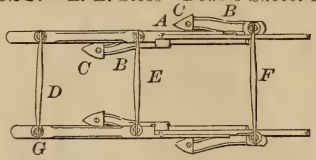
68251—W. Sniffin—*Swivel Ship Fender.*



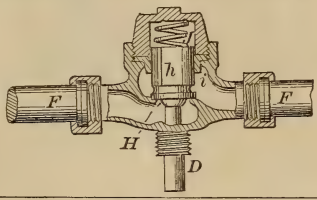
68248—J. R. Smith—*For Crushing and Washing Sand.*



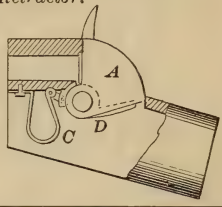
68247—L. L. Sloss—*Double Shovel Plow.*



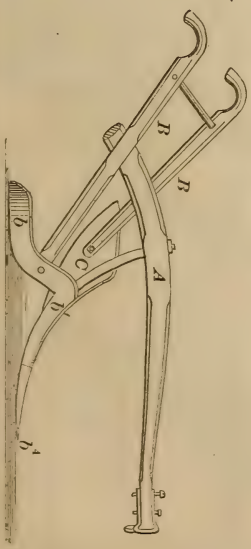
68249—W. Smith—*Water Closet Valve.*



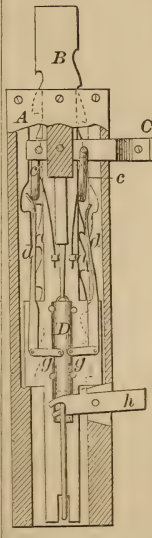
68250—W. S. Smoot—*Cartridge Retractor.*



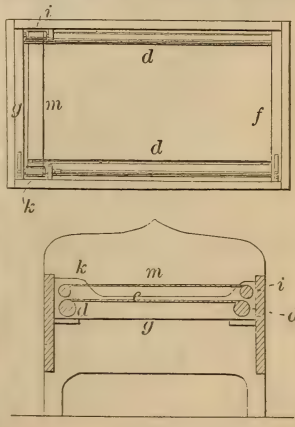
68253—W. T. Sprouse—*Plow.*



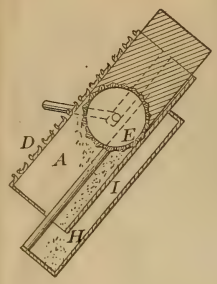
68252—J. M. Spitler—*Wagon Jack.*



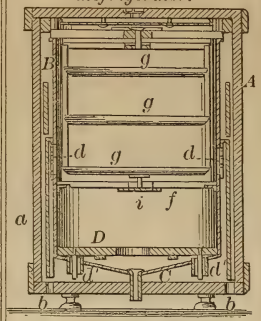
68255—W. B. Stewart—*Bedstead.*



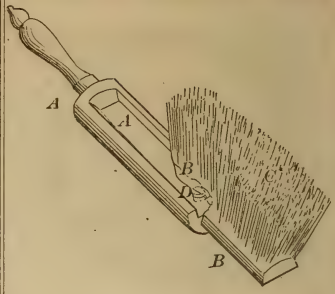
68256—H. Stone—*Grater.*



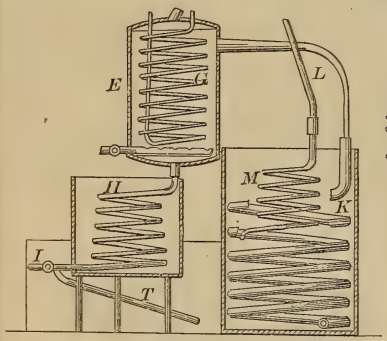
68258—A. B. Sweetland—*Refrigerator.*



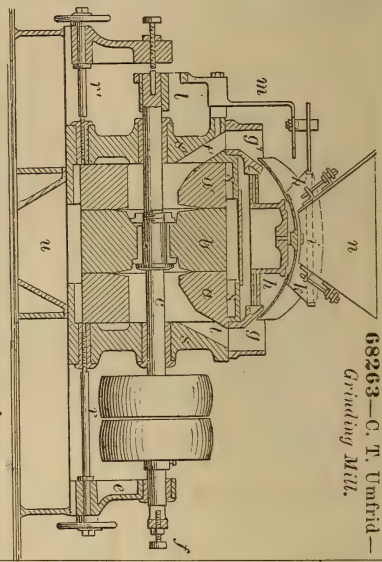
68259—E. Thayer—*Dust Brush.*



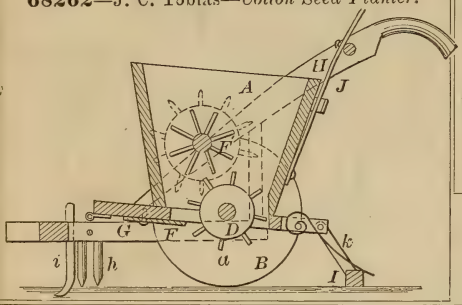
68257—C. Stott—*For Distilling and Rectifying Petroleum.*



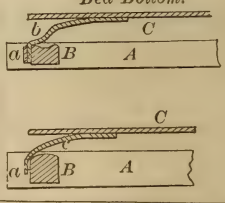
68263—C. T. Umfrid—*Grinding Mill.*



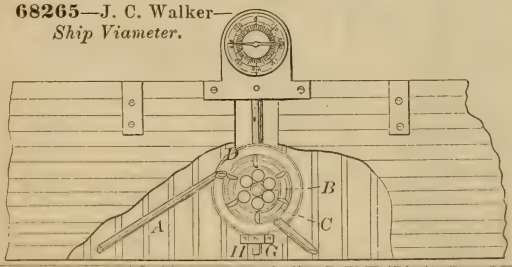
68262—J. C. Tobias—*Cotton Seed Planter.*



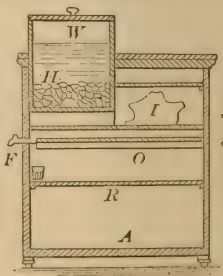
68268—O. H. Weed—*Spring Bed Bottom.*



68265—J. C. Walker—*Ship Viameter.*

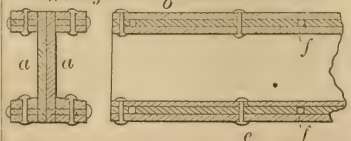


68269—J. De W. Wemple—*Refrigerator.*

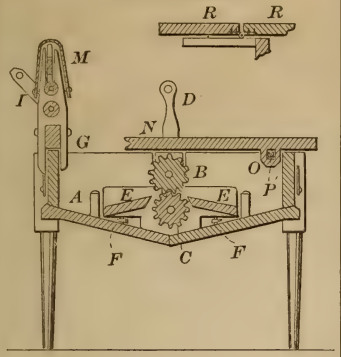


68266—Walters & Shaffer—*Pile for Wrought Iron Beams or Girders.*

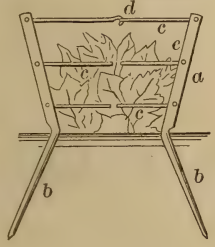
68267—Walters & Shaffer—*Pile for Wrought Iron Beams or Girders.*



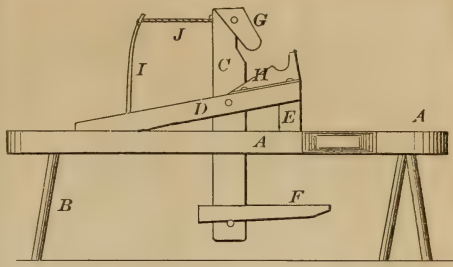
68270—J. Whitney—*Washing and Wringing Machine.*



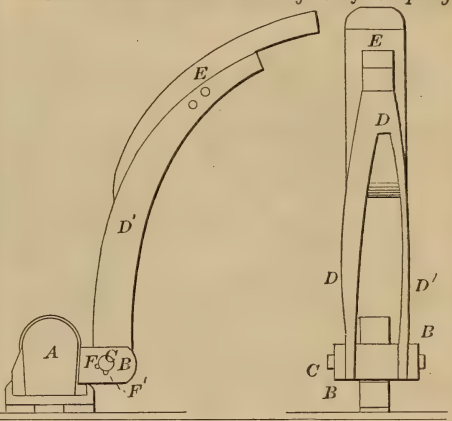
68271—W. W. Wilcox—*Strawberry Trellis.*



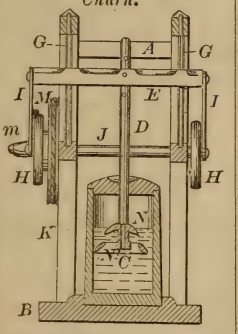
68272—D. Williams—*Corn Husker.*



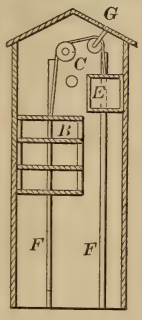
68274—T. H. Wood—*Carriage Shaft Coupling.*



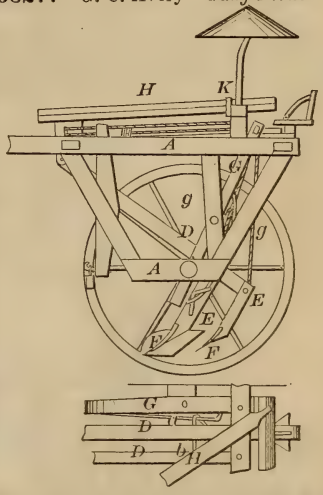
68273—S. C. Wilson—*Churn.*



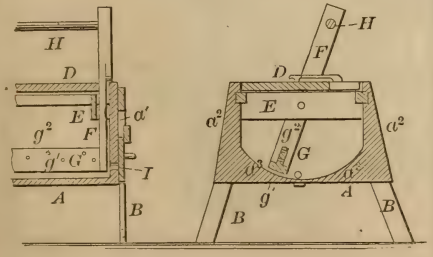
68276—H. Verty—*Milk House.*



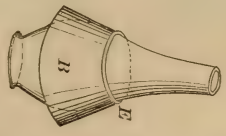
68277—G. C. Avery—*Gang Plow.*



68275—J. Worden—*Washing Machine.*



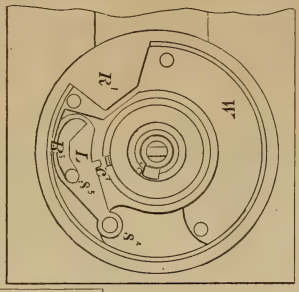
68278—D. W. Bashore—*Lamp Shade.*



68279—W. A. Bemis—*Cheese Curd Cutter.*

68281—F. W. Brettell—*Permutation Lock.*

Fig. 1 & 2-I



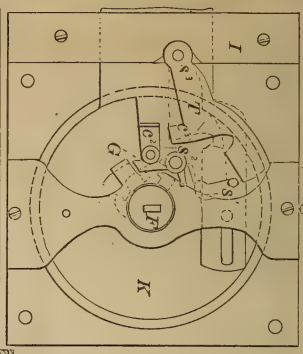


Fig. 1-II

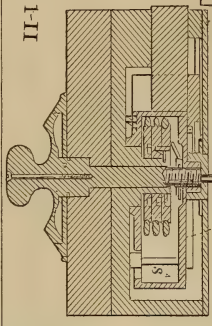


Fig. 2-II

Fig. 3-I

Fig. 5-II

Fig. 7-D

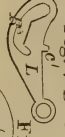
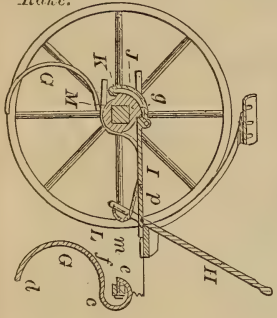
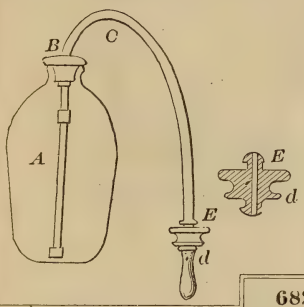


Fig. 6-II

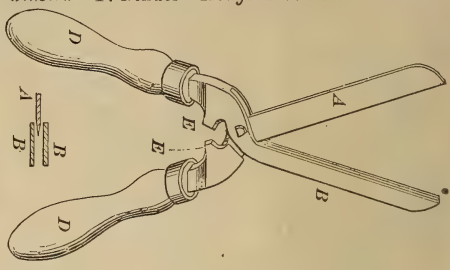
68283—E. W. Bullard—*Horse Rake.*



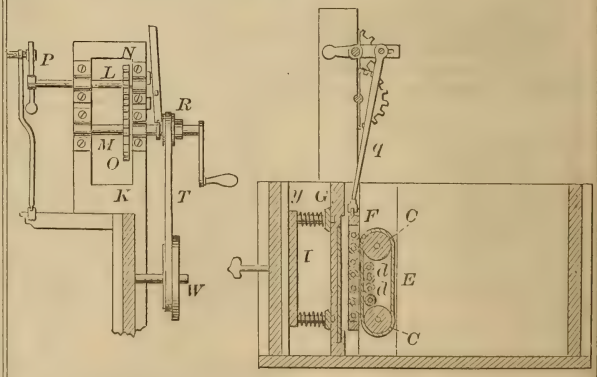
68285—M. S. Burr—*Nursing Bottle.*



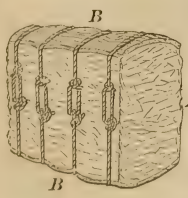
68280—F. Binder—*Hedye Trimmer.*



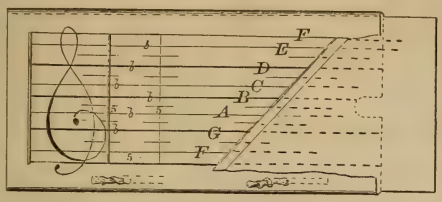
68286—C. M. Carleton—*Washing Machine.*



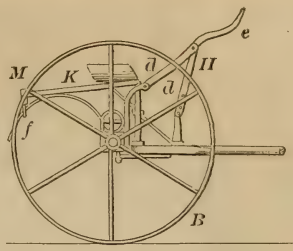
68282—C. Brown—*Baling Short Cut Hay, &c.*



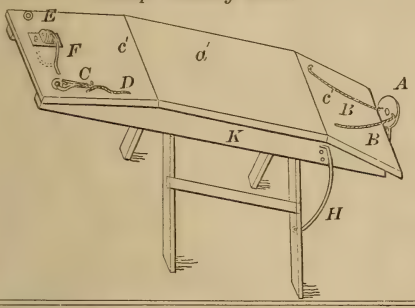
68287—W. E. Catlin—*Musical Scale.*



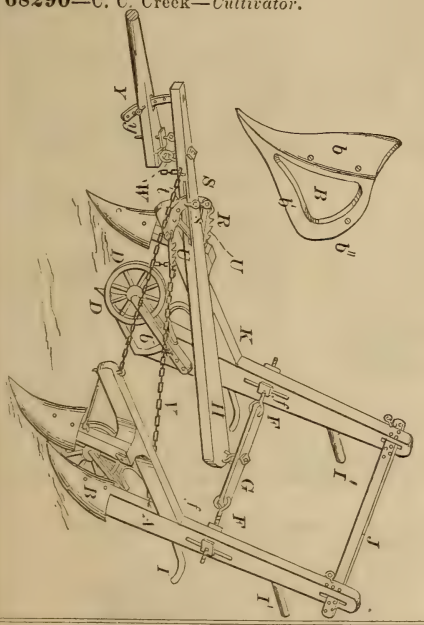
68288—A. W. Coates—*Horse Rake.*



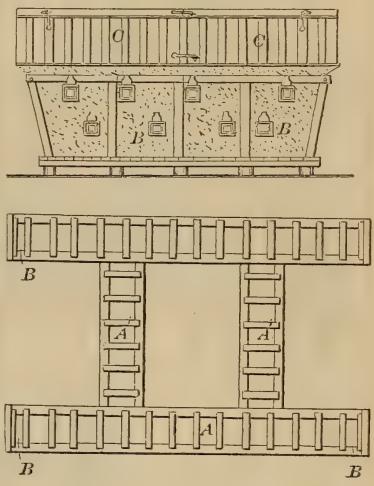
68289—Corlett, Sherman, Wolfe & Huston—*Sheep Shearing Table.*



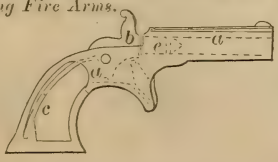
68290—C. C. Creek—*Cultivator.*



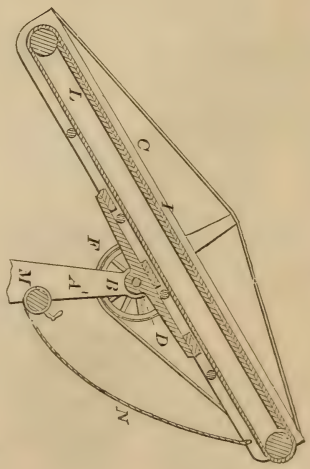
68291—F. Dorsett—*Curing and Preserving Grain.*



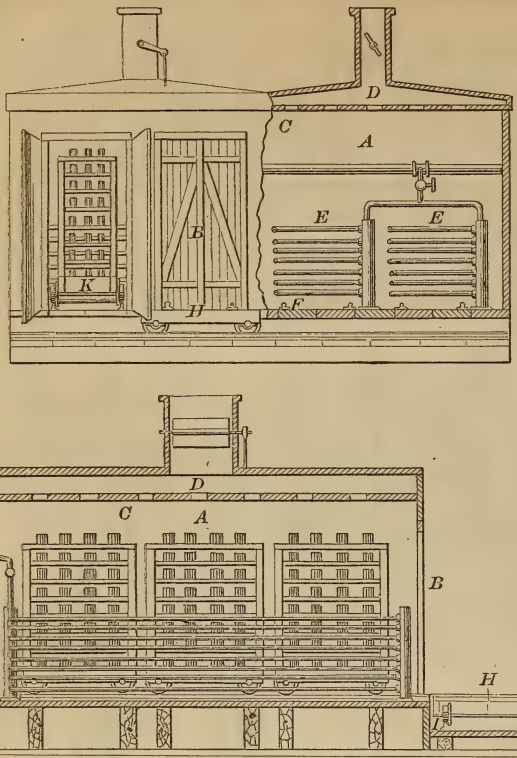
68292—W. H. Elliot—*Hammer for Breech-Loading Fire Arms.*



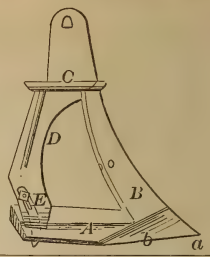
68293—A. Erkenbrecher—*Corn Elevator.*



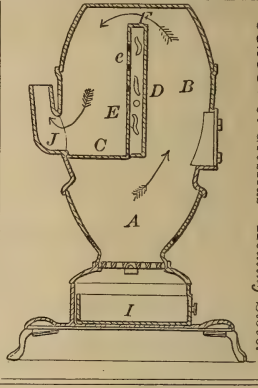
68294—A. Erkenbrecher—*For Drying Starch.*



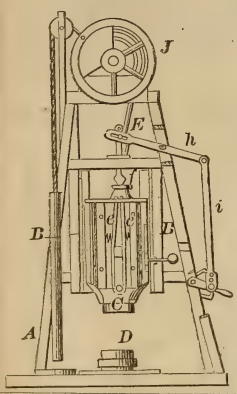
68296—T. T. Fleming—*Cotton Scraper.*



68299—J. Grossius—*Heating Stove.*



68295—J. Fandler—*Trip Hammer.*



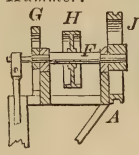
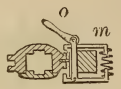
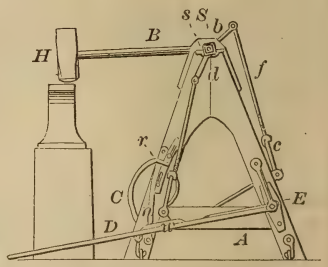


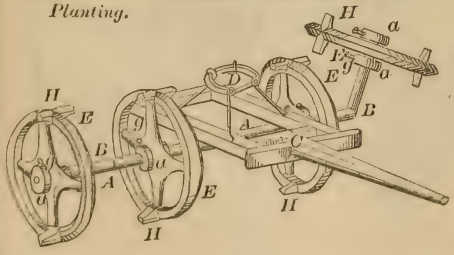
Fig. 3



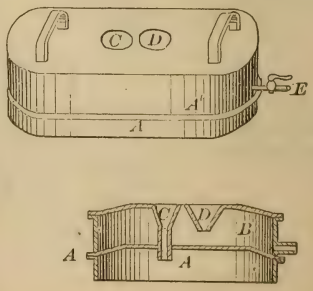
68301—M. Hunkley—*Power Hammer.*



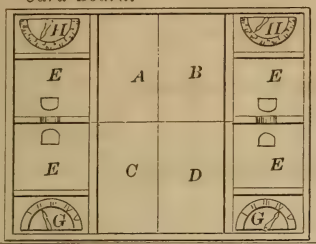
68297—D. A. Freeman—*Corn Marker for Planting.*



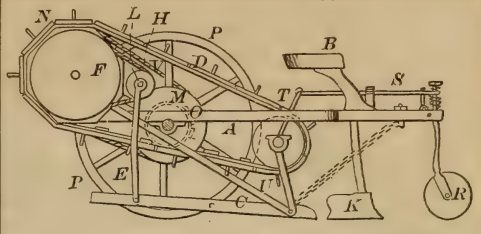
68300—Hall & Eckel—*Stove Boiler Cover.*



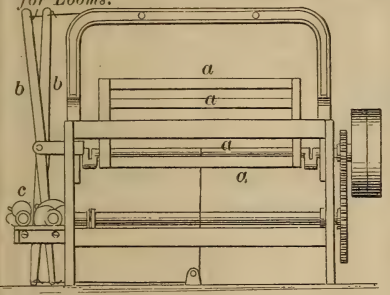
68302—R. S. Jennings—*Playing Card Board.*



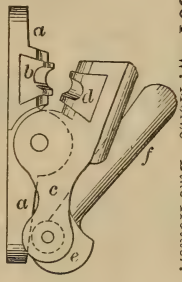
68309—N. S. Noyes—*Potato Digger.*



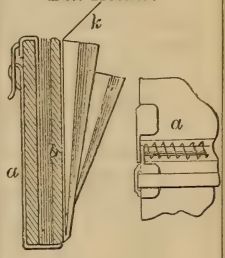
68303—L. J. Knowles—*Harness Motion for Looms.*



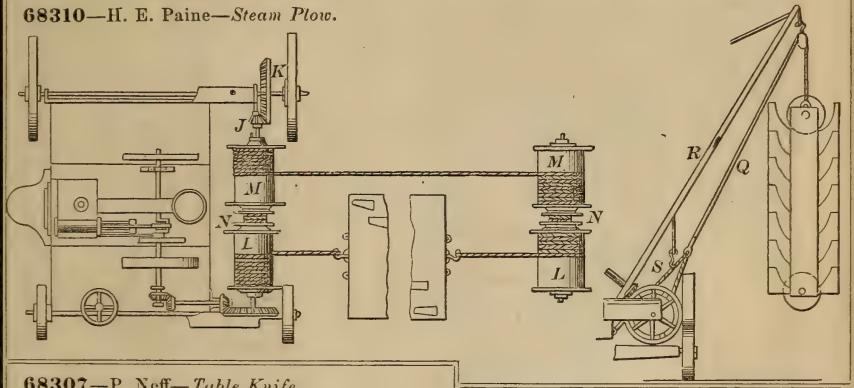
68304—W. Morse—*Line Holder.*



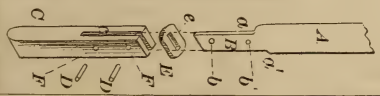
68305—G. Moulton—*Bill Holder.*



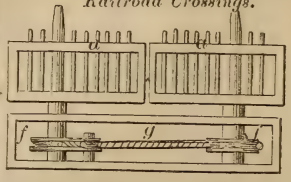
68310—H. E. Paine—*Steam Plow.*



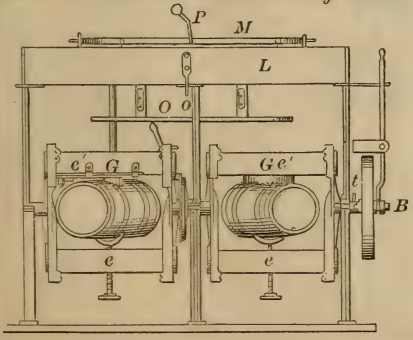
68307—P. Neff—*Table Knife.*



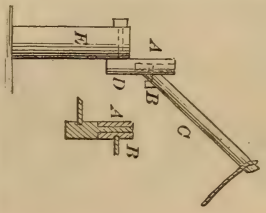
68306—Mason & Wilson—*Gate for Railroad Crossings.*



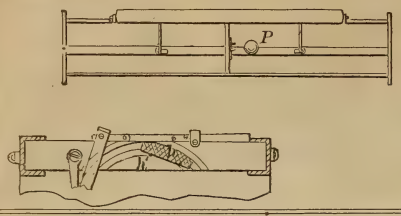
68311—J. Peacock—*Barrel Washing Machine.*



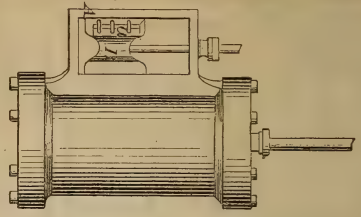
68308—D. Newton—*Hitching Post.*



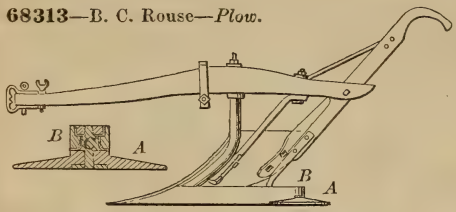
68311—*Continued.*



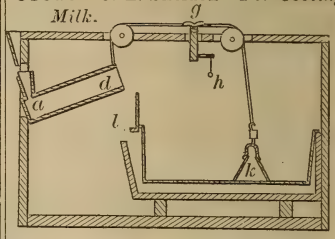
68312—Piper & Marshall—*Slide Valve.*



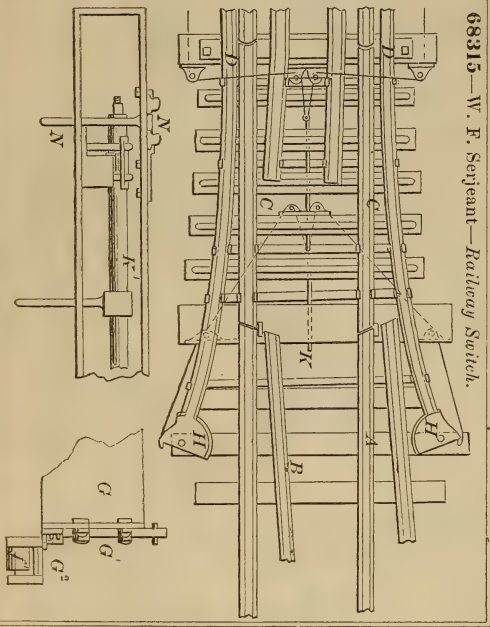
68313—B. C. Rouse—*Plow.*



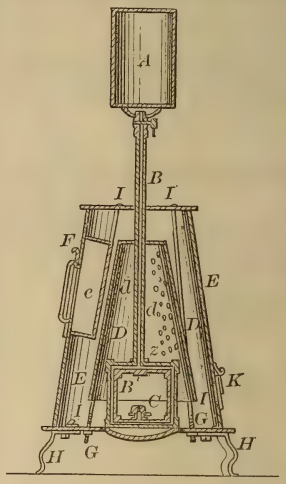
68316—C. L. Sheldon—*For Cooling Milk.*



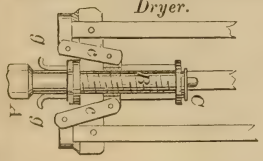
68315—W. F. Serjeant—*Railway Switch.*



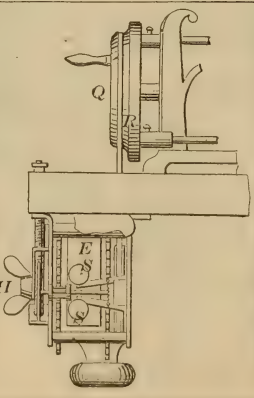
68318—J. D. Spang—*Gas Heating Apparatus. for Sad Irons.*



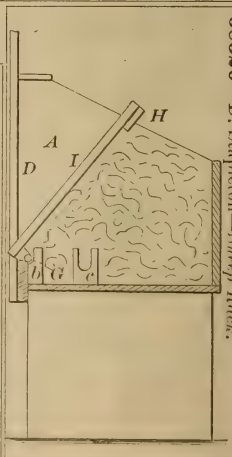
68317—G. P. Sisson—*Clothes Dryer.*



68314—L. W. Sapp—*Mechanical Power.*

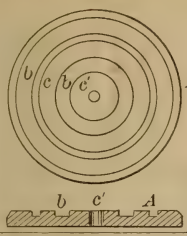


68320—D. Stapleton—*Sheep Rack.*

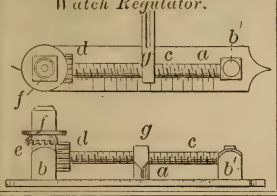


68319—C. F. Spencer—*Fruit Jar.*

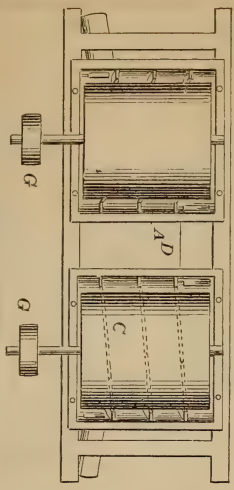
68322—G. St. George, Jr.—*Barrel.*



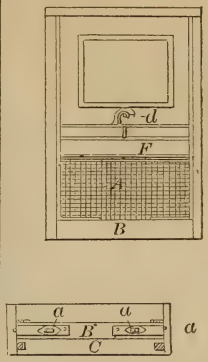
68324—W. B. Tucker—*Watch Regulator.*



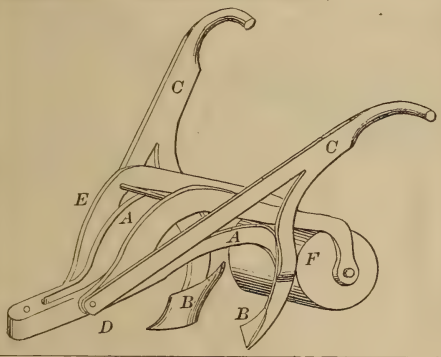
68325—T. Welham—*Water Wheel.*



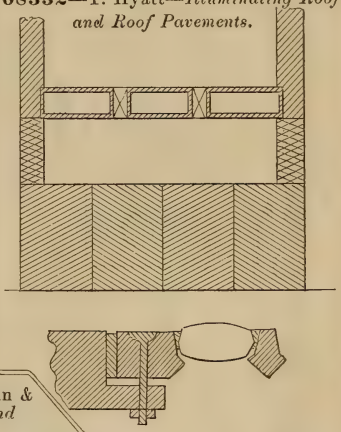
68326—A. J. Whittier—*Mosquito Bar and Window Screen.*



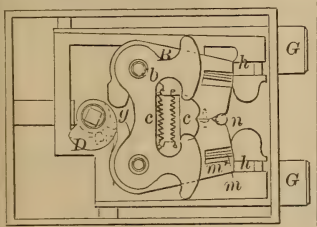
68329—A. J. Combs—*Corn Coverer.*



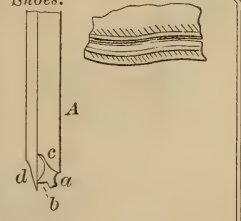
68332—T. Hyatt—*Illuminating Roofs and Roof Pavements.*



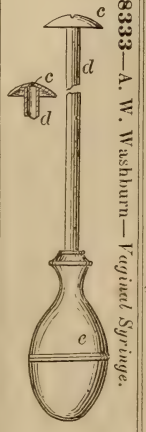
68334—Allen & Brady—*Door Lock.*



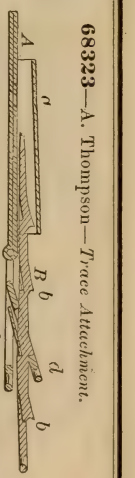
68330—Duchemin & Jeffers—*Boots and Shoes.*

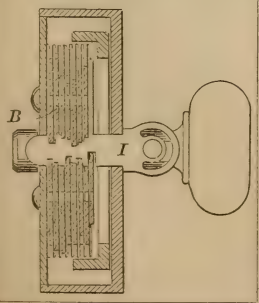


68333—A. W. Washburn—*Vaginal Syringe.*

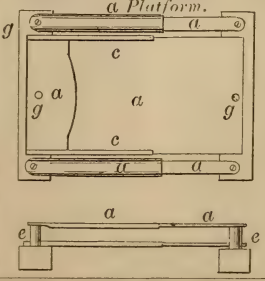


68323—A. Thompson—*Trace Attachment.*

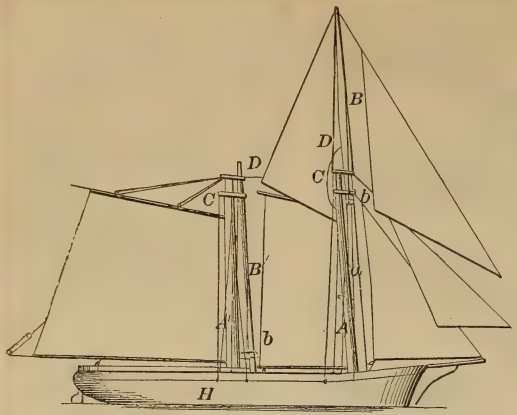




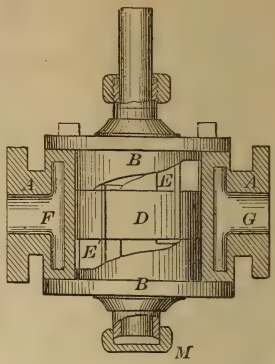
68327—H. S. Wilcox—*Car a Platform.*



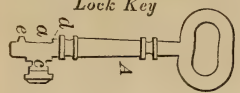
68336—J. Atwood, Jr.—*Rig for Sloops and Schooners.*



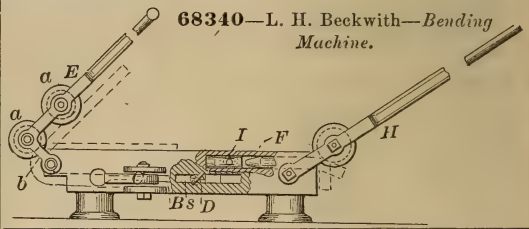
68337—W. Atwood—*Rotary Engine.*



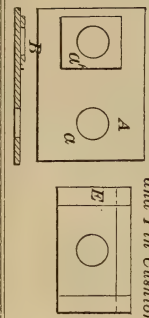
68338—A. G. Batchelder—*Lock Key*



68340—L. H. Beckwith—*Bending Machine.*



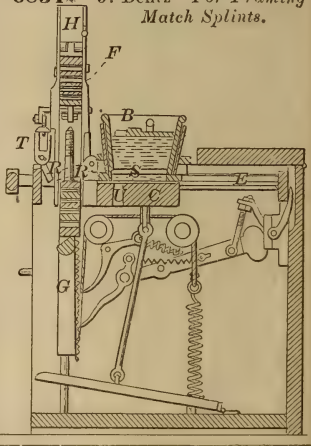
68339—De W. C. Beamer—*Business Card and Pin Cushion.*



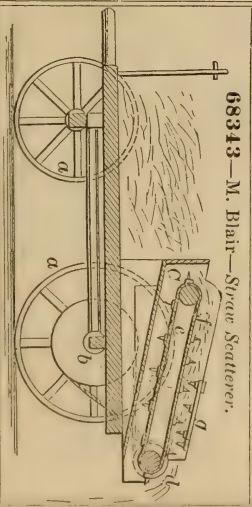
68341—A. Bedford—*Strap Attachment.*

68344—G. H. Bonnaffon—*Hose.*

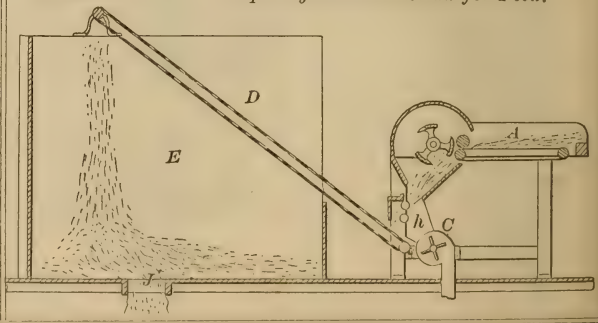
68342—J. Bentz—*For Framing Match Splints.*



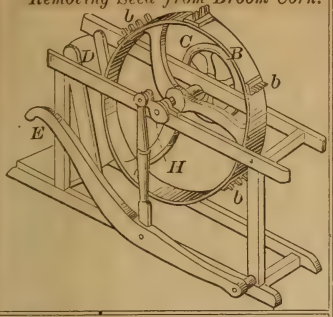
68343—M. Blair—*Straw Scatterer.*



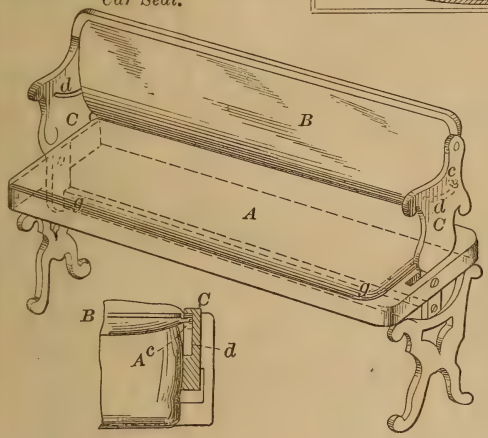
68345—C. Brown—*Preparing Short Cut Straw for Feed.*



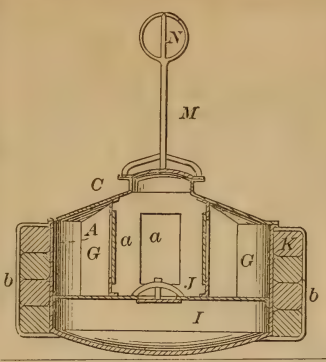
68346—J. D. Brown—*For Removing Seed from Broom Corn.*



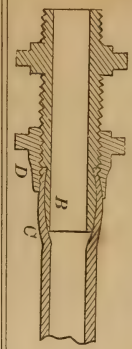
68347—J. A. Brown—*Railway Car Seat.*



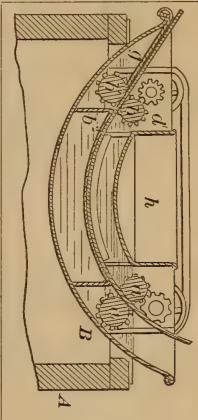
68349—F. C. Buisson—*Buoy Safe.*



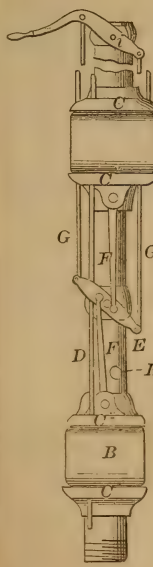
68348—J. R. Buchanan—*Hose Coupling*



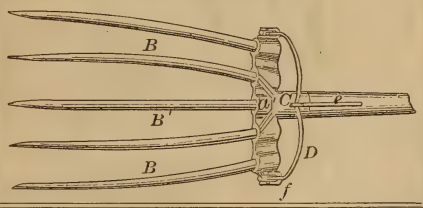
68351—H. W. Butterworth—*For Coating Metal Plates with Tin.*



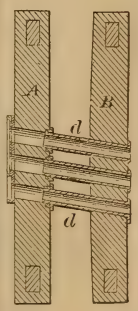
68350—Burr & Wakelee—*For Testing Deep Wells.*



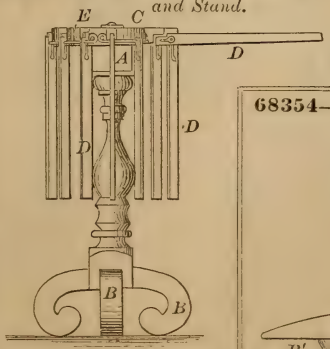
68352—A. Clow—*Grain Fork.*



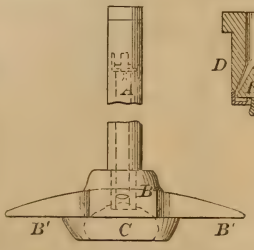
68353—S. Darling—*Window Ventilator.*



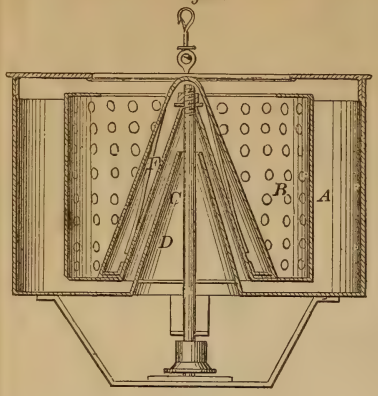
68355—W. H. Earnest—*Clothes Dryer and Stand.*



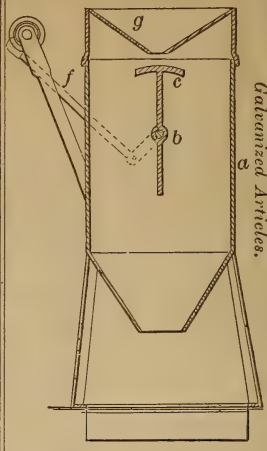
68354—G. H. Dow—*Churn Dasher.*



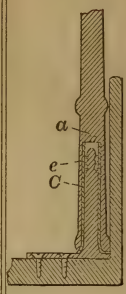
68356—G. E. Evans—*For Washing Sugar.*



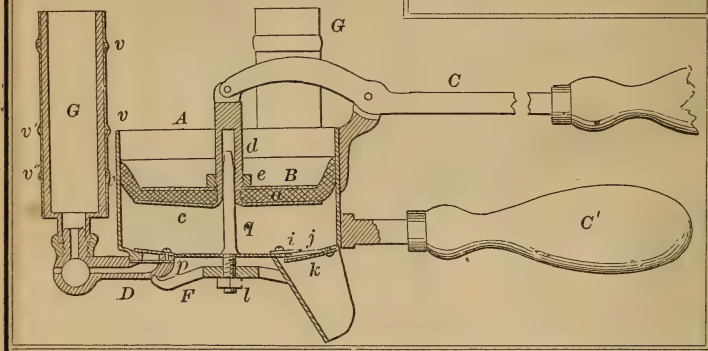
68357—H. E. Fowler—*For Separating Tinned and Galvanized Articles.*



68360—J. Gibson, Jr.—*For Holding Wipe.*

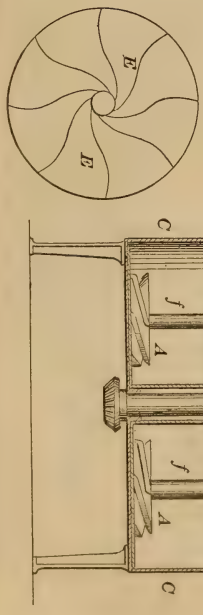


68358—G. H. Gardner—*Cow Milker.*

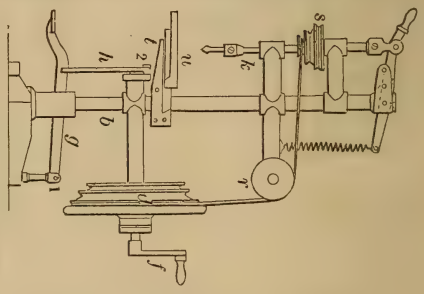


68361—J. F. Goldthwait—*Shoe Buttoner.*

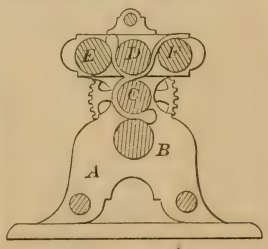
68359—H. A. Gaston—*Amalgamator.*



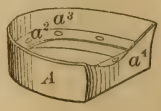
68362—W. D. Grimshaw—*Drilling Machine.*



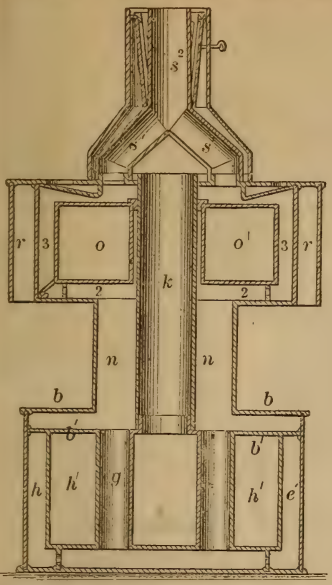
68365—D. C. Hull—*For Rolling Rubber into Sheets.*



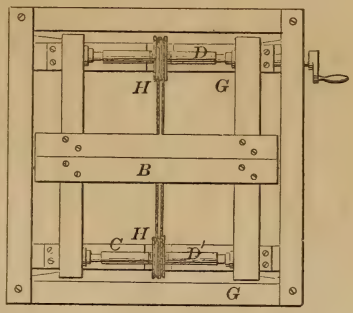
68364—J. Hubbell—*Boot Heel.*



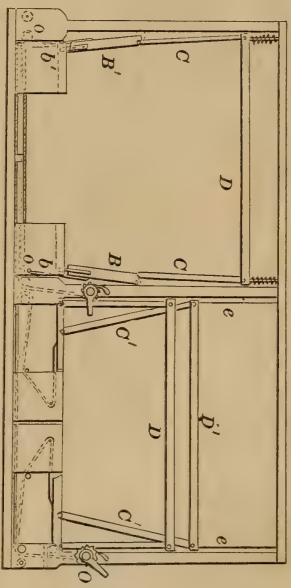
68366—M. C. Hull—*Cooking Range.*



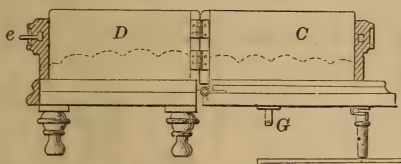
68371—C. C. Lyman—*Platform Scale.*

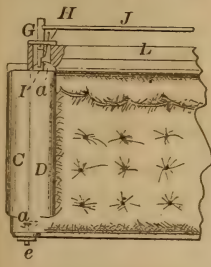


68368—I. W. Lamb—*Car Seat and Couch.*



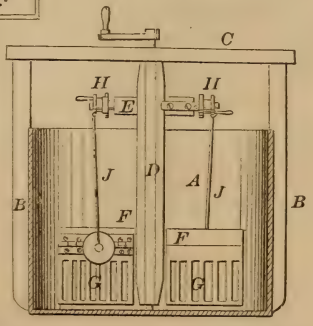
68373—C. F. Martine—*Sofa Bedstead.*



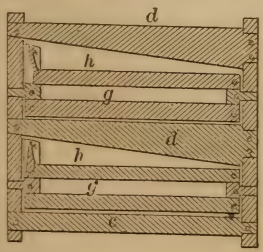


68369—W. Leonard—*Horse Collar.*

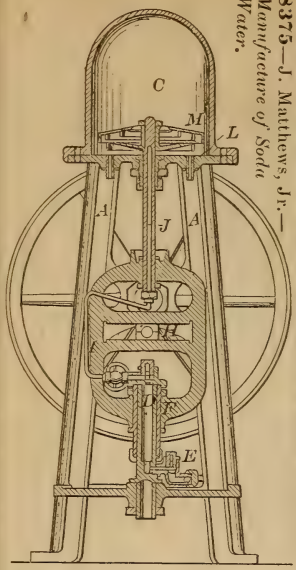
68374—Mason & Brant—*For Stirring Starch.*



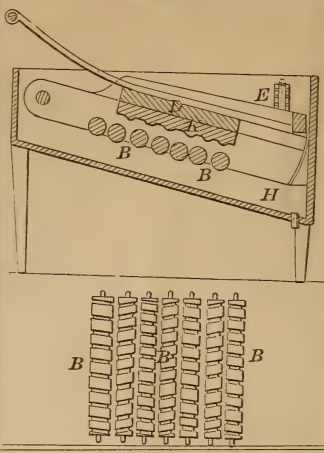
68372—C. H. Mann—*Cattle Stanchion.*



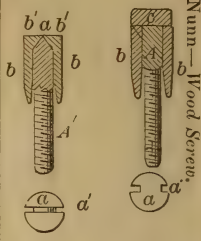
68375—J. Matthews, Jr.—*Manufacture of Soda Water.*



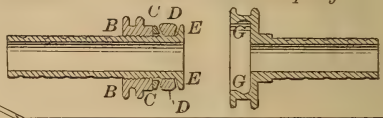
68378—L. Merrifield—*Washing Machine.*



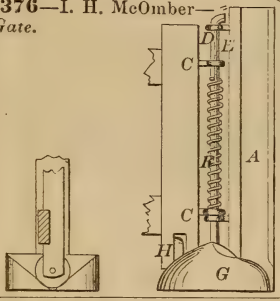
68381—R. J. Nunn—*Wood Screw.*



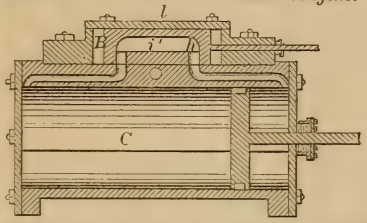
68380—P. H. Niles—*Hose Coupling.*



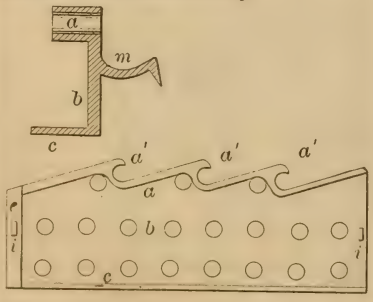
68376—I. H. McOmber—*Gate.*



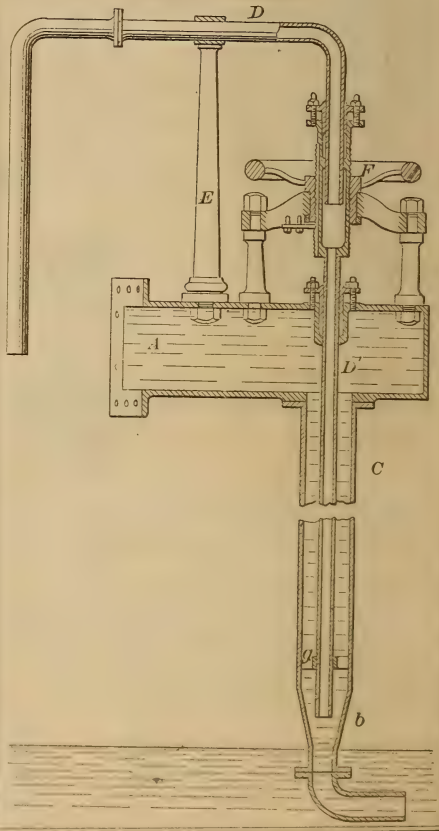
68377—C. H. Merrick—*Steam Engine.*



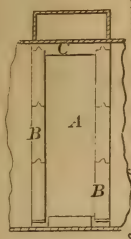
68379—J. Miller—*Curbing.*



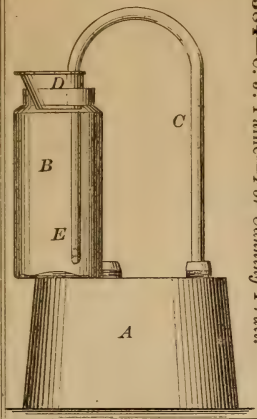
68382—F. Ortlieb—*Condenser.*



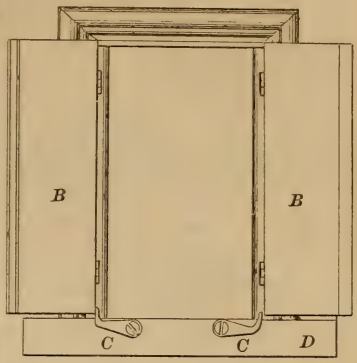
68383—A. Packard—*For Securing Linings in Stoves.*



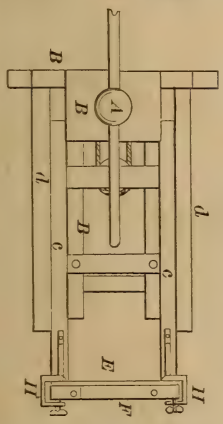
68384—C. J. Paine—*For Canning Fruit.*



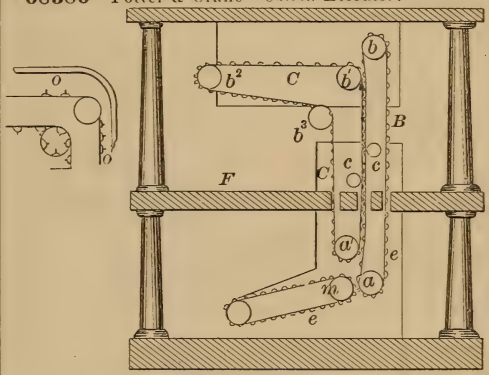
68387—R. Reed—*Window Shutter Fastening.*



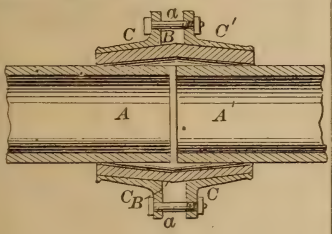
68385—H. & A. Phelps—*For Stabbing Soap*



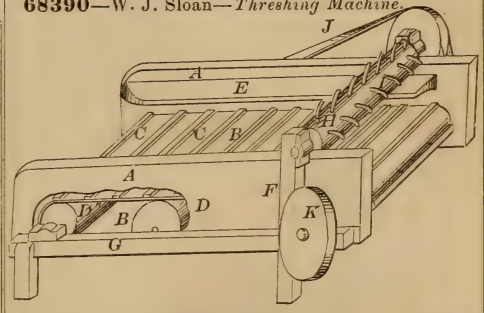
68386—Potter & Crane—*Cotton Elevator.*



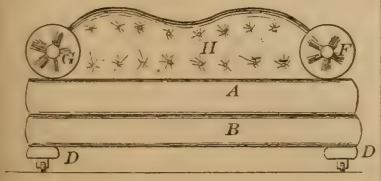
68388—J. H. Rhodes—*Pipe Joint.*



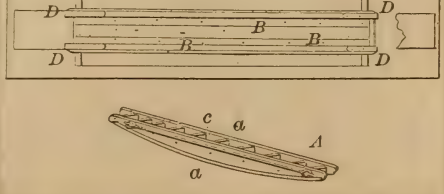
68390—W. J. Sloan—*Threshing Machine.*



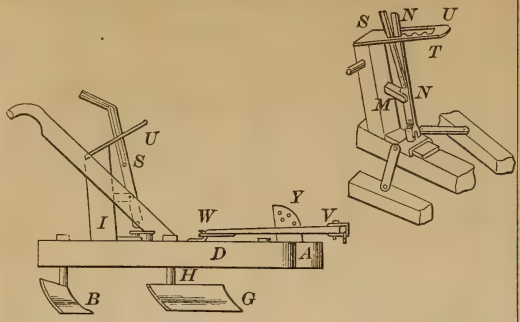
68389—L. Schaefer—*Sofa Bedstead.*



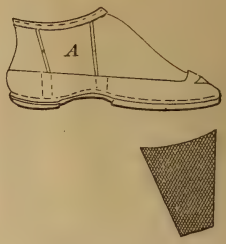
68391—S. Sowle—*Staging.*



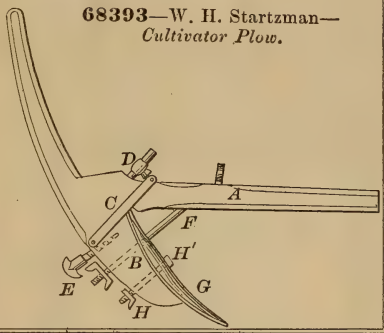
68392—J. P. Stanton—*Potato Plow.*



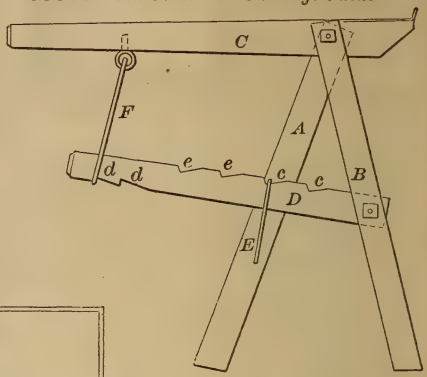
68398—H. G. Tyer—*Overshoe.*



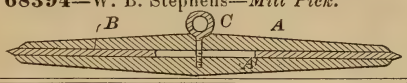
68393—W. H. Startzman—*Cultivator Plow.*



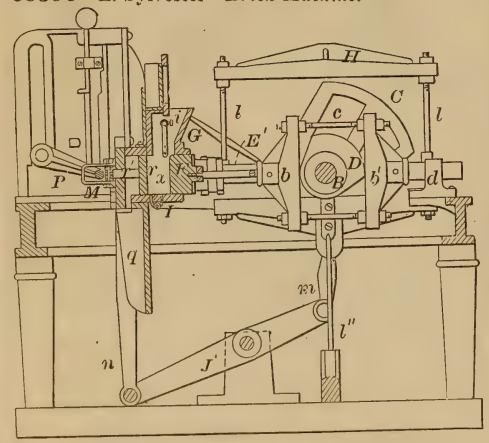
68395—O. B. Sutton—*Carriage Jack.*

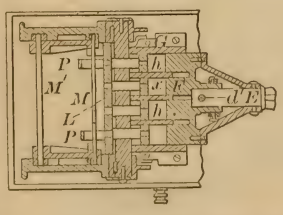


68394—W. B. Stephens—*Mill Pick.*

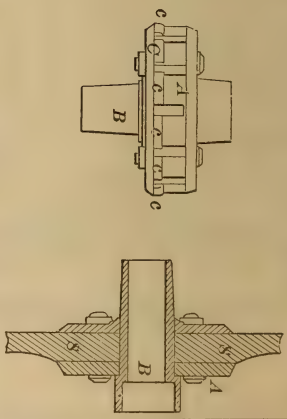


68396—L. Sylvester—*Brick Machine.*

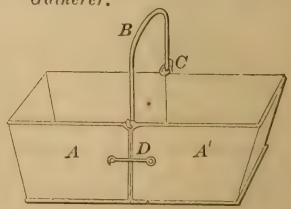




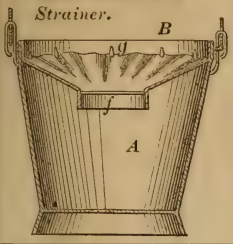
68397—B. F. Taft—*Wheel Hub.*



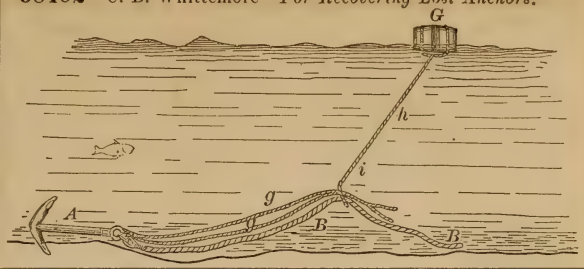
68399—C. Wadsworth—*Grape Gatherer.*



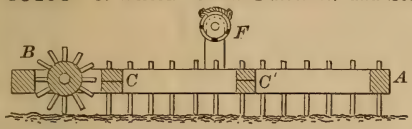
68400—D. N. West—*Milk Bucket and Strainer.*



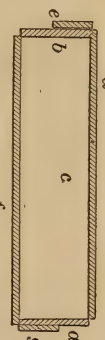
68402—C. B. Whittemore—*For Recovering Lost Anchors.*



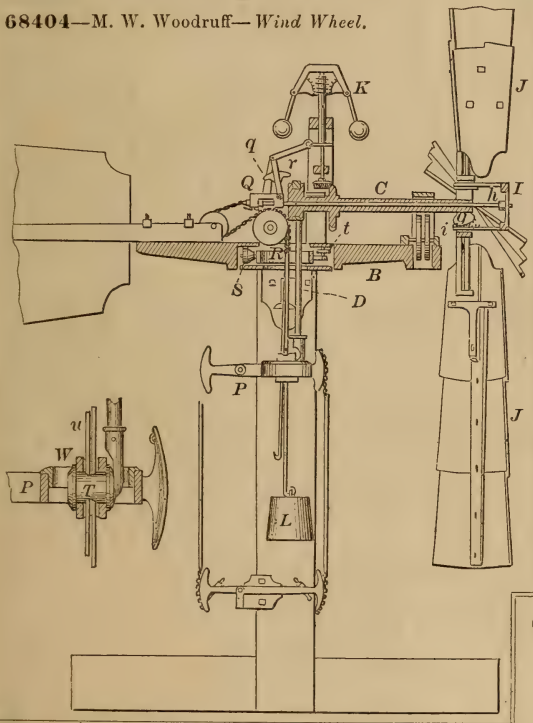
68403—C. Wilson—*Earth Pulverizer and Seeder.*



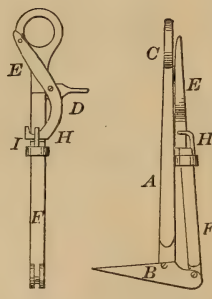
68401—J. F. & O. B. Whitney—*Fruit Box.*



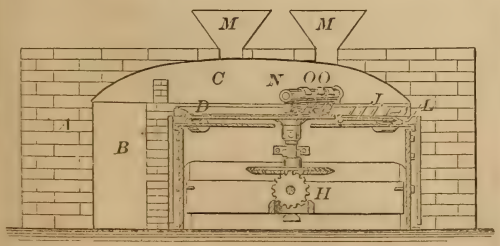
68404—M. W. Woodruff—*Wind Wheel.*



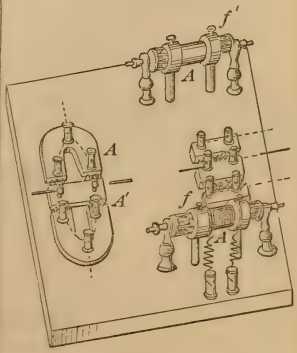
68405—E. Yancy—*Horse Hay Fork.*



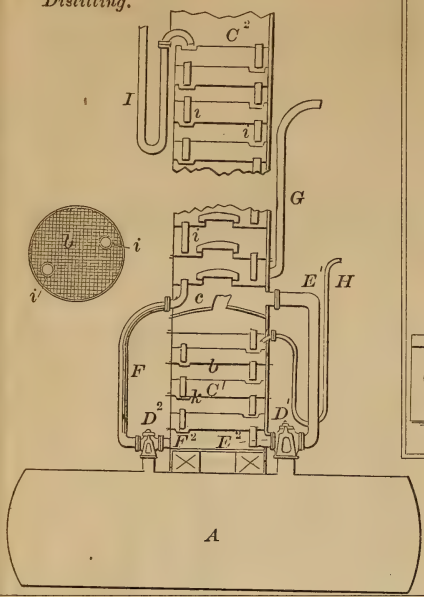
68406—Agrell & Klepzig—*Furnace for Roasting Ores.*



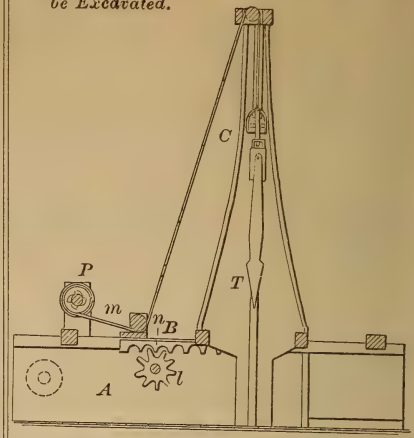
68407—A. Barbarin—*Lightning Arrester.*



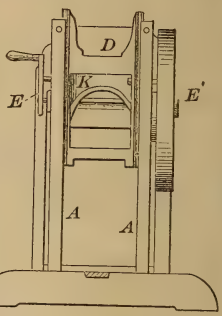
68409—G. Bequet—*For Rectifying and Distilling.*



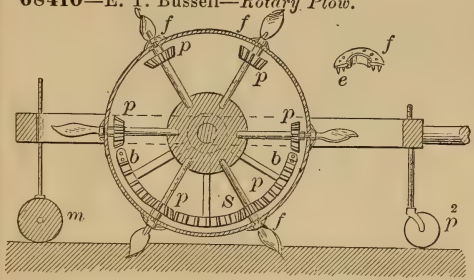
68411—W. H. Butler—*For Loosening Earth to be Excavated.*



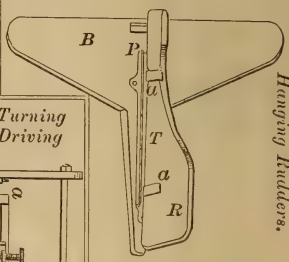
68412—A. P. Chapin—*Feed and Straw Cutter.*



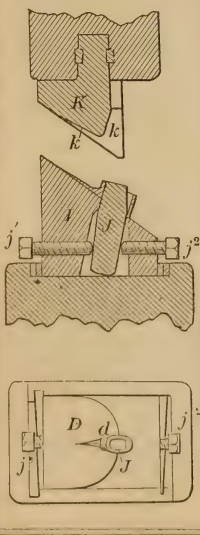
68410—E. T. Bussell—*Rotary Plow.*



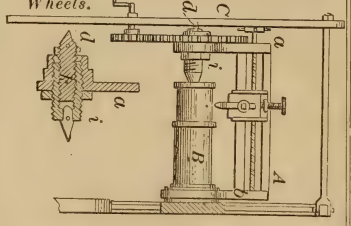
68413—W. A. Clark—*For Hanging Rudders.*



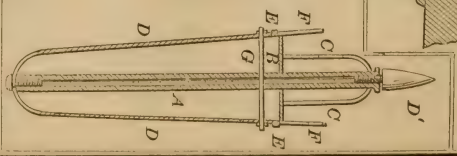
68414—Clement & Foster—*For Manufacturing Hoes.*



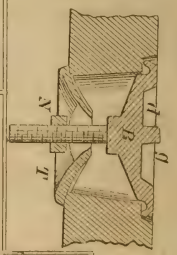
68415—C. J. Clifford—*For Turning Crank Pins on Locomotive Driving Wheels.*



68416—M. H. Collins—*Glass Chimney for Lamps.*

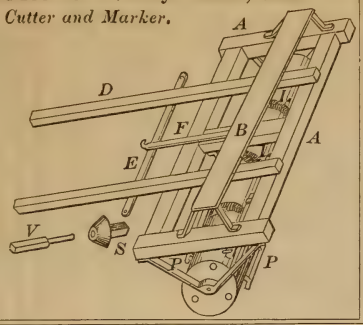


68417—M. C. Cronk—*Barrel Bung.*

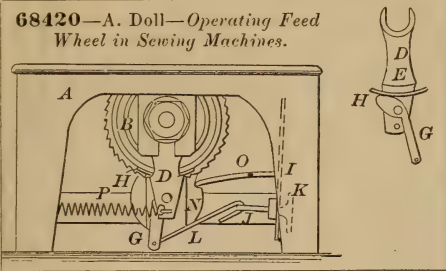


68418—J. Darling—*Reservoir Pen Holder.*

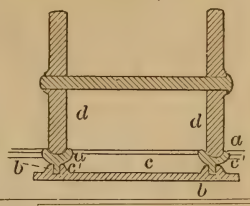
68419—J. W. Dilly—*Roller, Stalk Cutter and Marker.*



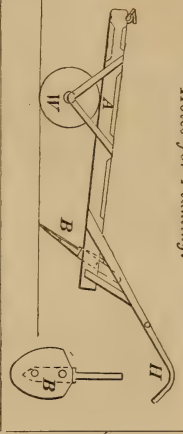
68420—A. Doll—*Operating Feed Wheel in Sewing Machines.*



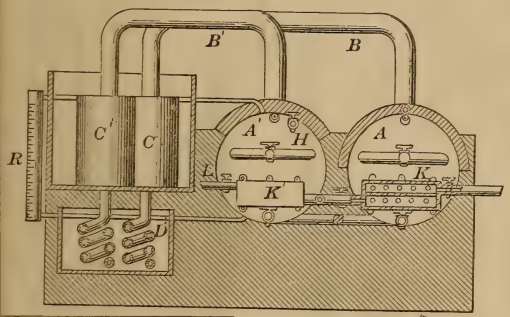
68421—Z. Eastman—*Railway.*



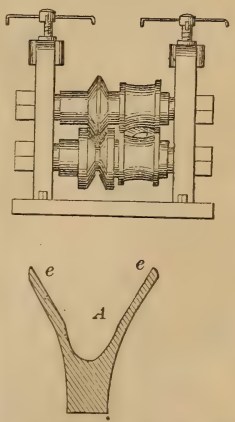
68424—E. R. Ensign—*For Marking Holes for Planting.*



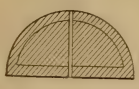
68426—H. B. Everest—*For Distilling Petroleum.*

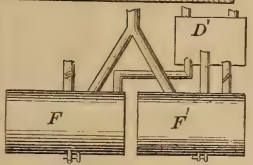


68423—J. W. Ells—*Axe Blank.*

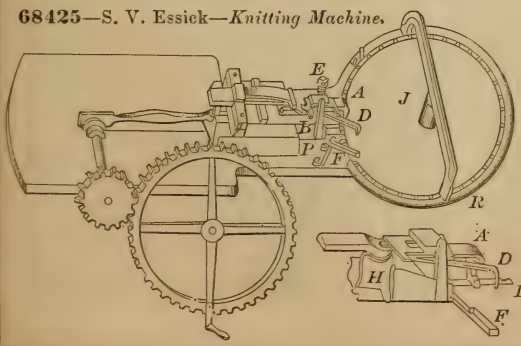


68428—T. St. Clair—*Truss Pad.*

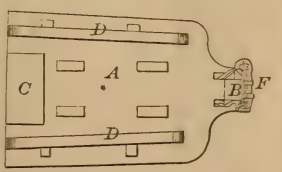




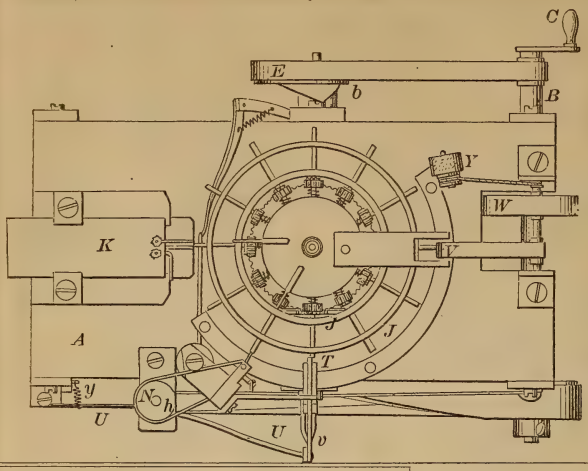
68425—S. V. Essick—*Knitting Machine.*



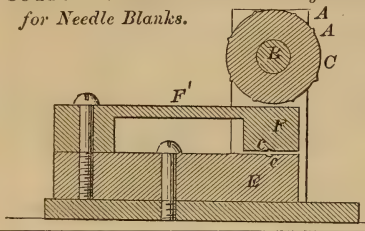
68427—G. Fenton—*Sheep Table.*



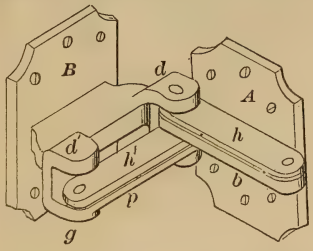
68429—T. Fowler—*For Making Sewing Machine Needles.*



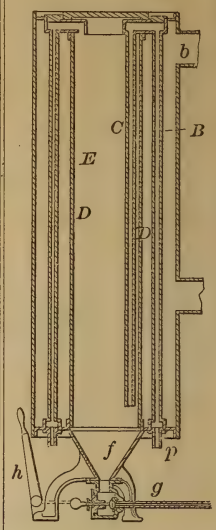
68430—T. Fowler—*For Reducing Wires for Needle Blanks.*



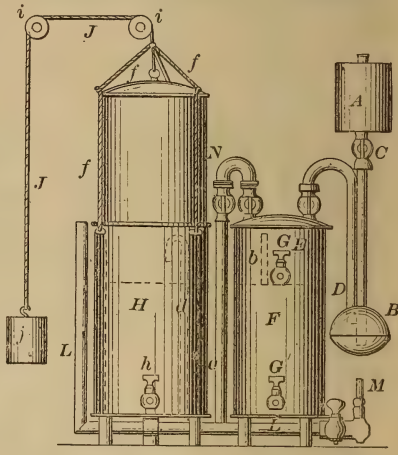
68434—D. H. Gould—*Gate Hinge.*



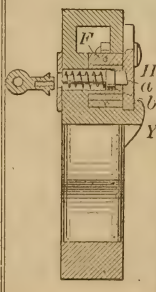
68433—J. G. Goesel—*Feed Water Heater.*



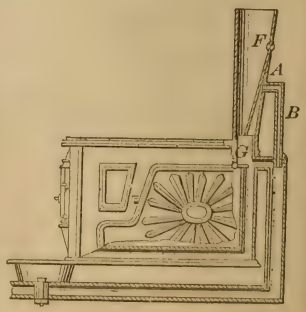
68435—D. M. Graham—*Gas Apparatus.*



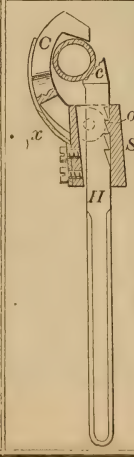
68436—E. Hambuger—*Lock for Car Seats.*



68437—E. Hambuger—*Stove Pipe.*

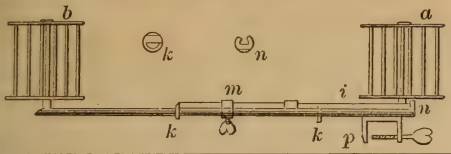


68431—J. N. Freestone—*Wrench.*

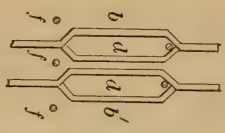


68432—E. W. French—*Engine Hose.*

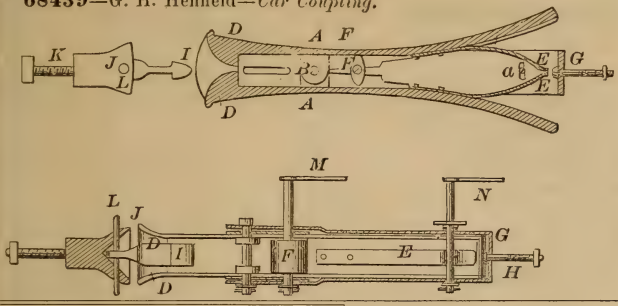
68438—A. Haskell—*Swifts.*



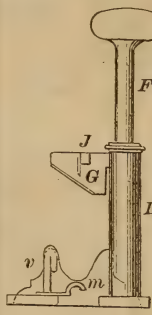
68444—C. Kennedy—*Loom Heddle.*



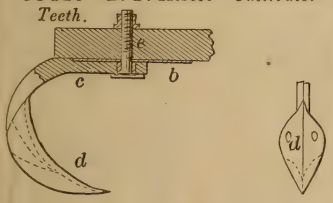
68439—G. H. Henfield—*Car Coupling.*



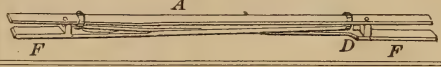
68441—F. W. Hoffmann—*For Cutting off the Ends of Cigars.*



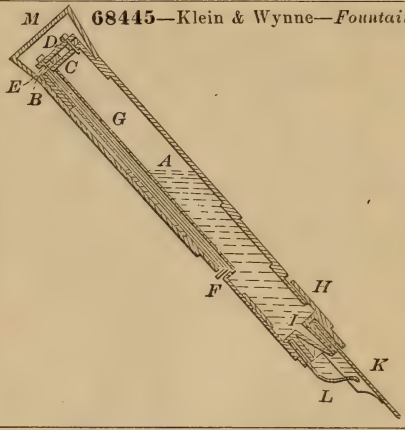
68440—B. F. Hisert—*Cultivator Teeth.*



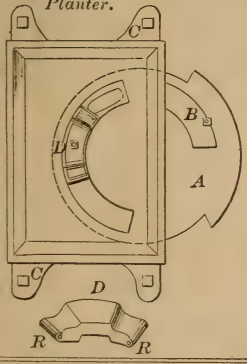
68442—J. Hyde—*Bed Spring.*



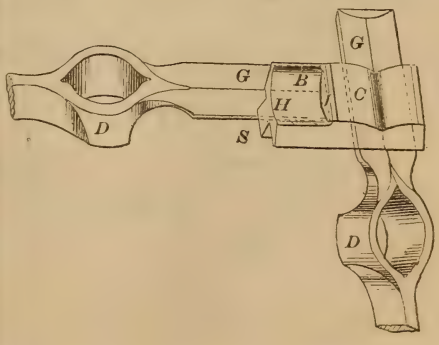
68445—Klein & Wynne—*Fountain Pen.*



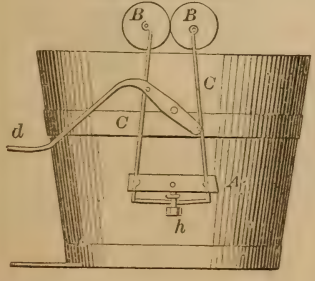
68443—D. W. Jacoby—*Corn Planter.*



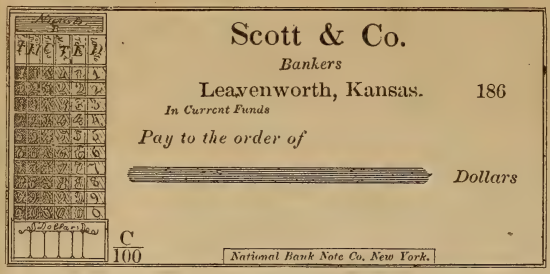
68446—C. Konold—*Die for Swaging Mattocks &c.*



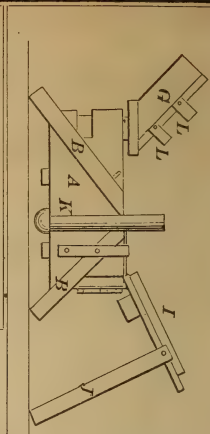
68447—Lord & Hinman—*Mop Pail and Wringer.*



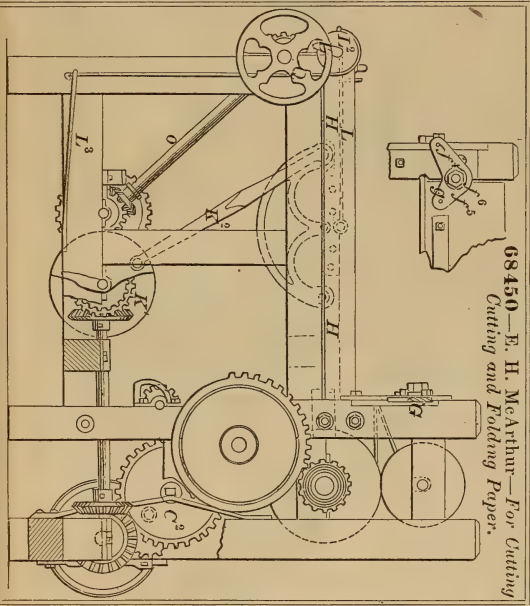
68448—A. Man—*Bank Check.*



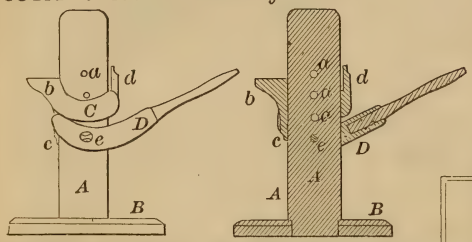
68449—G. D. Matcham—*Sheep Chair and Vat.*



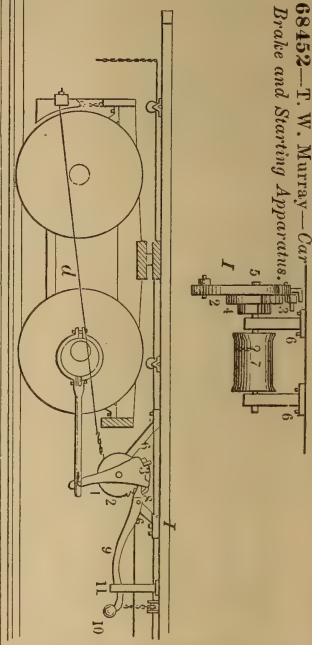
68450—E. H. McArthur—*For Cutting Cutting and Folding Paper.*



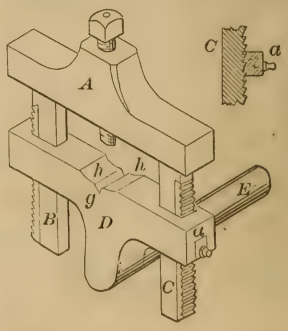
68451—J. P. Moore—*Carriage Jack.*



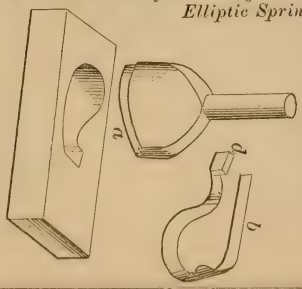
68452—T. W. Murray—*Car Brake and Starting Apparatus.*



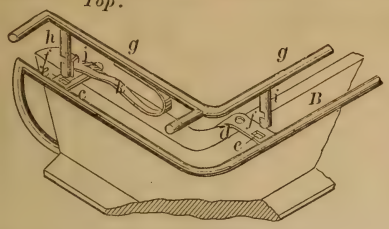
68453—J. L. Nettleton—*Tool.*



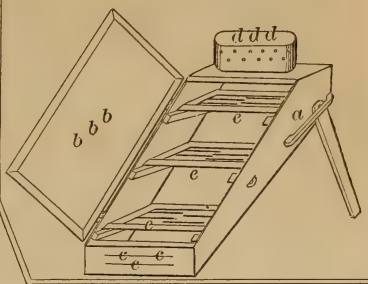
68454—J. Palmer—*Die for Making Heads for Elliptic Springs.*



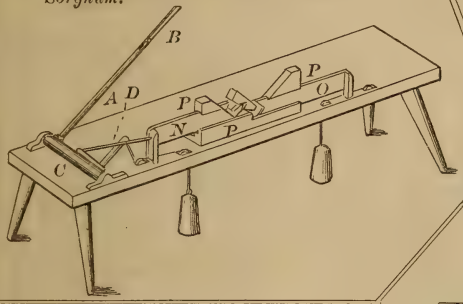
68455—A. M. Plimpton—*Detachable Buggy Top.*



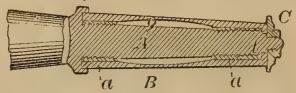
68459—D. Rice—*For Drying Fruit.*



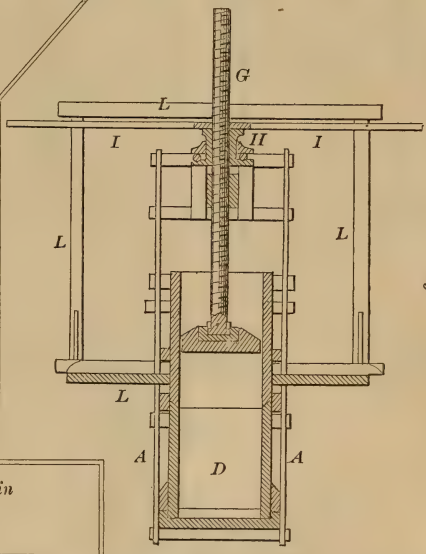
68458—S. A. Rankin—*For Stripping Sorghum.*



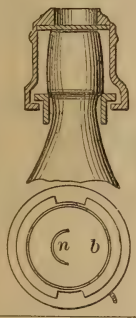
68460—H. Richardson—*Axle Bearing for Wagons.*



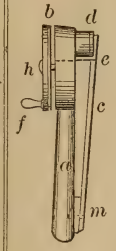
68462—J. S. Schofield—*Hay and Cotton Press.*



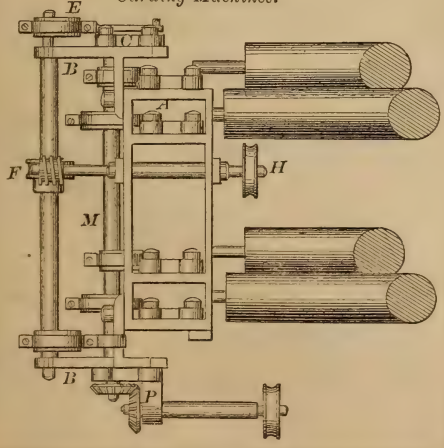
68456—N. Prescott—*For Closing Bottles.*



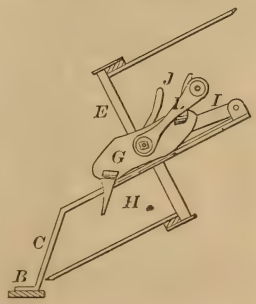
68463—Skillin & Reed—*Nutmeg Grater.*



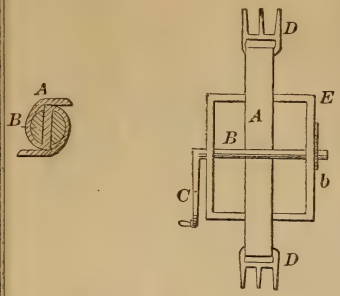
68464—E. Stafford—*Condensing Roller in Carding Machines.*



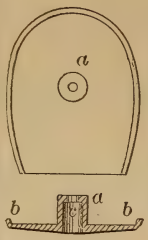
68461—E. P. Russell—*Dumping Reel for Harvesters.*



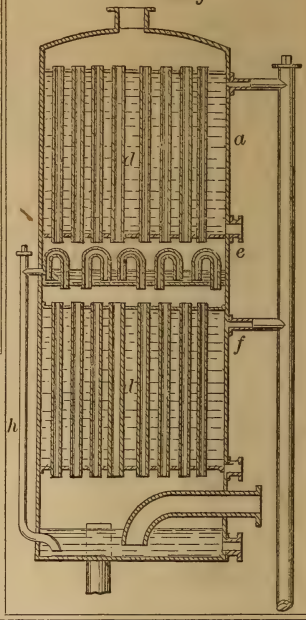
68465—T. G. Stansberry—*Belt Tightener.*



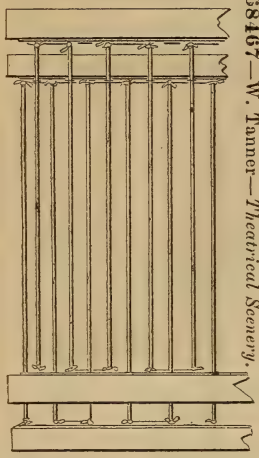
68466—N. A. Swett—*Heeling Plate.*



68470—Trageser & Illofsky—*For Distilling.*

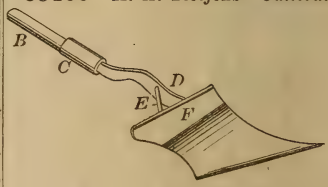


68467—W. Tanner—*Theatrical Scenery.*

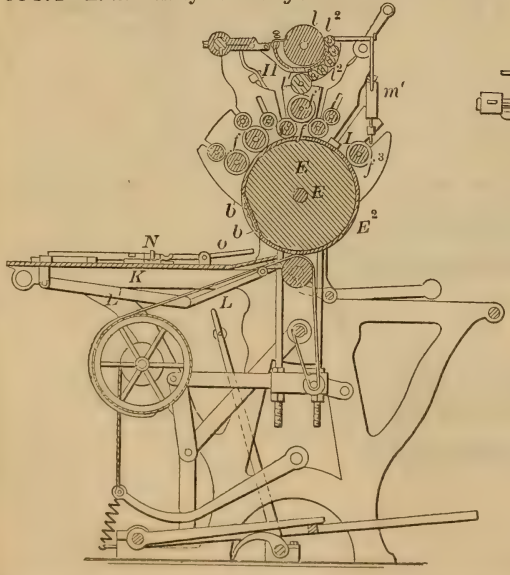


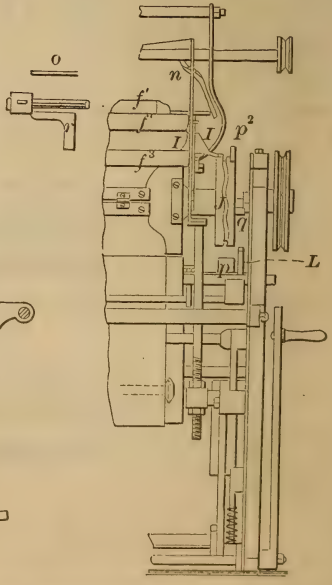
68468—W. McK. Thornton—*Buckle.*

68469—H. H. Tietjens—*Cultivator.*

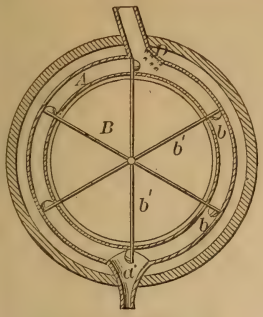


68471—L. T. Verney—*Printing Press.*

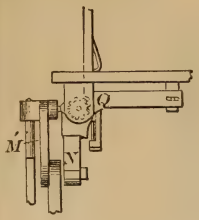


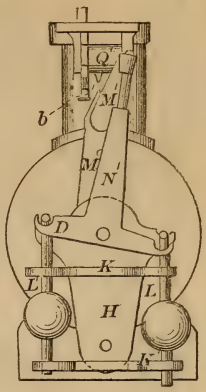


68472—J. C. Walker—*Grain Meter.*

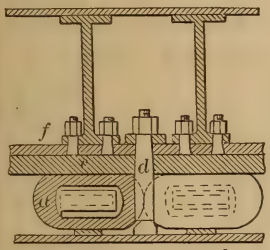


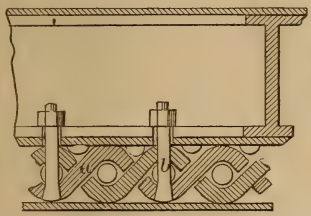
68473—J. V. Weitz—*Low Water Detector for Steam Generators.*

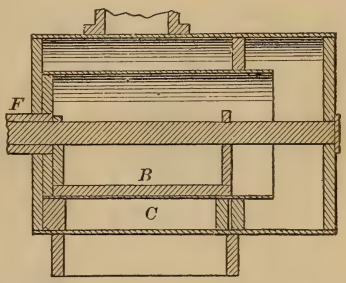




68474—T. Whitby—*Armor for Ships of War.*







68475—L. H. Whitney—*Vine Trellis.*

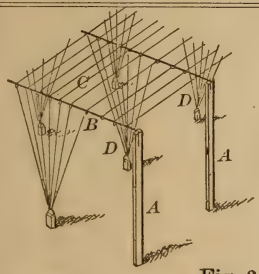
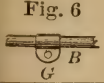
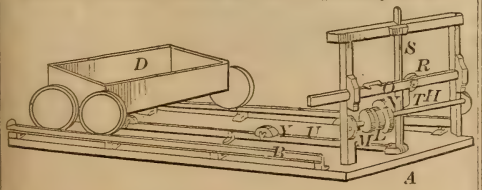


Fig. 3

Fig. 6



68476—Winterbottom & Lord—*Spinning Jack.*



68477—Witt & Sina—*Hemp Brake.*

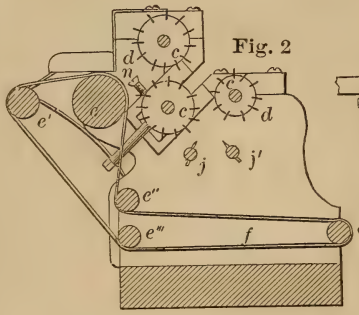
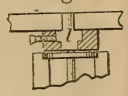
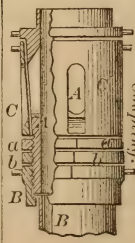


Fig. 2

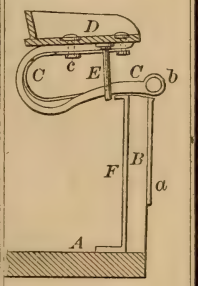
Fig. 4



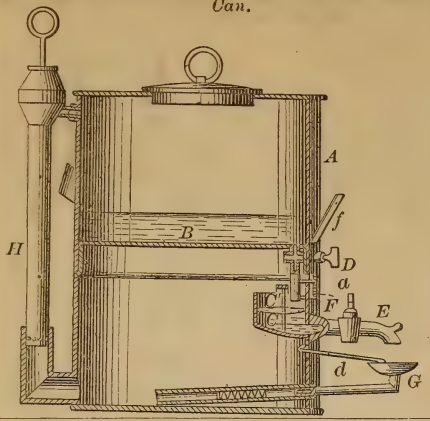
68478—A. F. Allen—*Escape Valve Hose Coupling.*



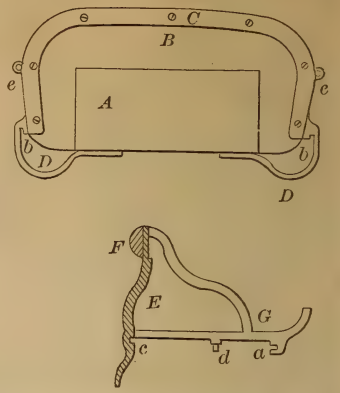
68479—R. L. Allen—*Wagon Seat and Spring.*



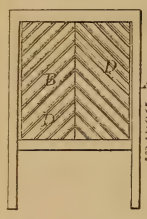
68480—Arkle & Greer—*Automatic Measuring Can.*



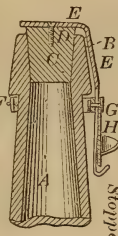
68486—J. Carlisle—*Rail for Buggy Seats.*



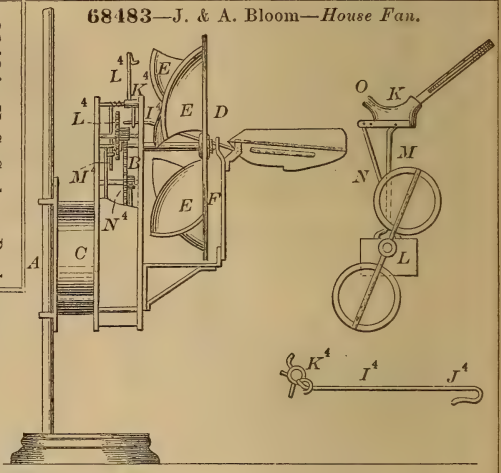
68481—P. Audouin—*Wash Board.*



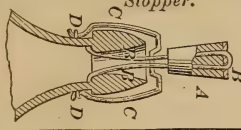
68484—H. S. Carley—*Bottle Stopper.*



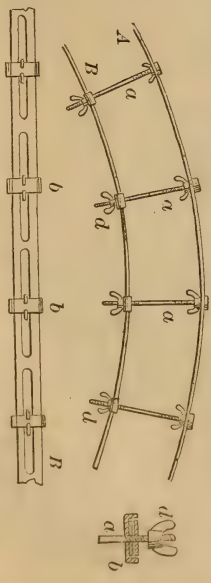
68483—J. & A. Bloom—*House Fan.*



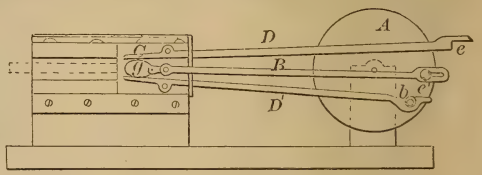
68485—H. S. Carley—*Bottle Stopper.*



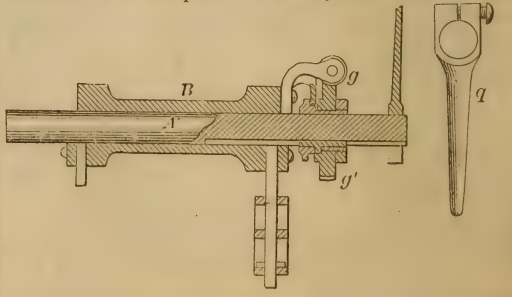
68487—J. J. Cassiday—*Adjustable Shipbuilders' Mould.*



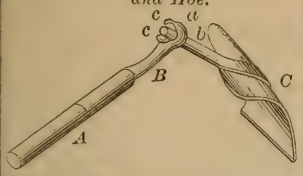
68482—W. Bicknell—*Crank Motion.*



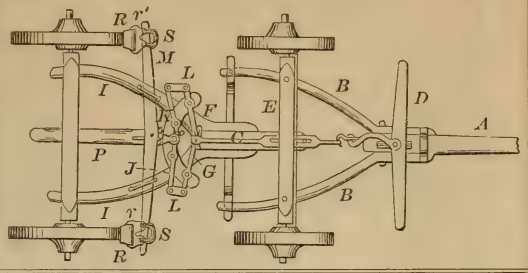
68488—E. S. Chapell—*For Boring and Screw Cutting.*



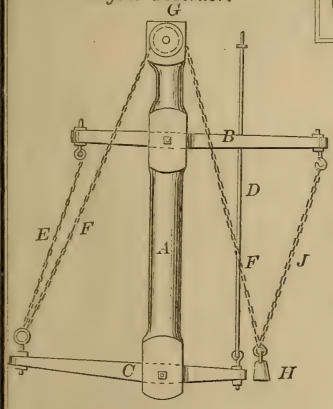
68489—D. W. Colburn—*Plow and Hoe.*



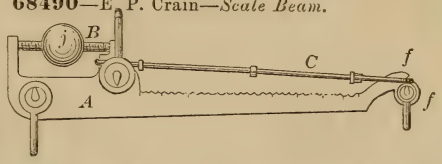
68493—A. Downer—*Wagon Lock.*



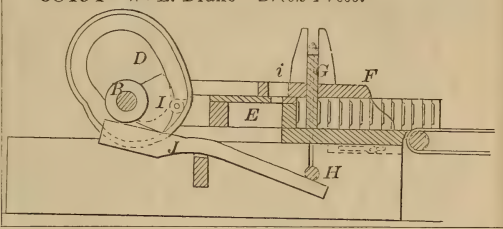
68495—J. Eddy—*Steam Engine Governor.*



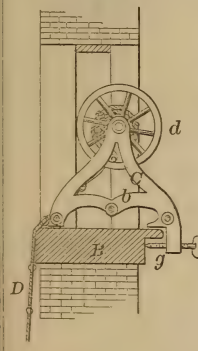
68490—E. P. Crain—*Scale Beam.*



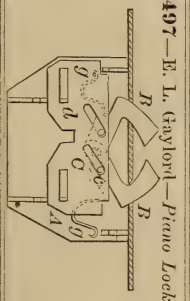
68494—W. L. Drake—*Brick Press.*



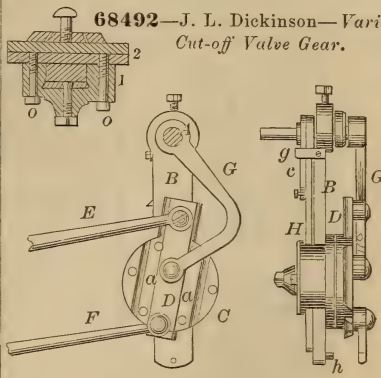
68491—T. S. Diblin—*Fire Escape.*



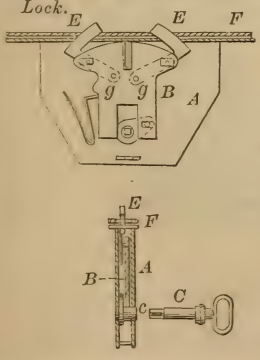
68497—E. L. Gaylord—*Piano Lock.*



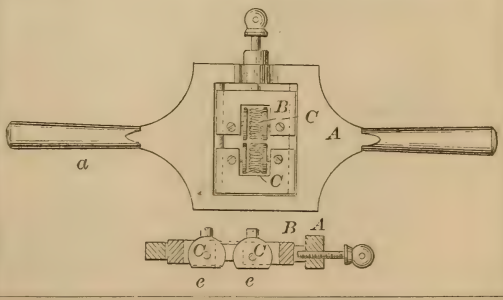
68492—J. L. Dickinson—*Variable Cut-off Valve Gear.*



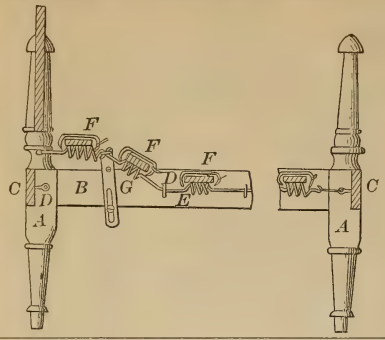
68496—E. L. Gaylord—*Piano Lock.*



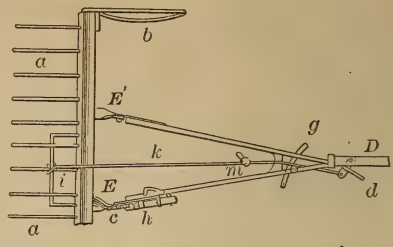
68498—H. Gill—*Screw Plate for Cutting Screws.*



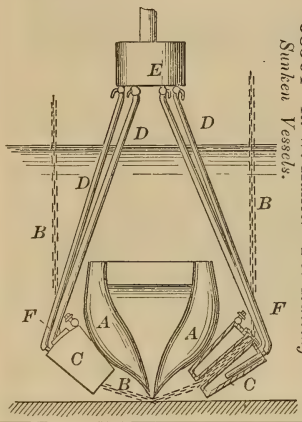
68499—J. S. Grant—*Bed Bottom.*



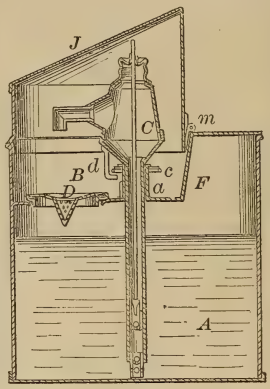
68500—J. S. Grant—*Horse Rake.*



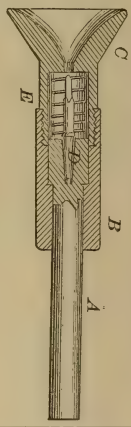
68501—R. W. Hallett—*For Raising Sunken Vessels.*



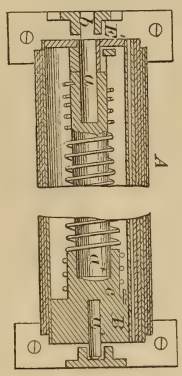
68503—G. Hatch—*Oil Can.*



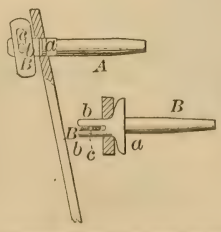
68504—R. Haworth—*Centering Tool.*



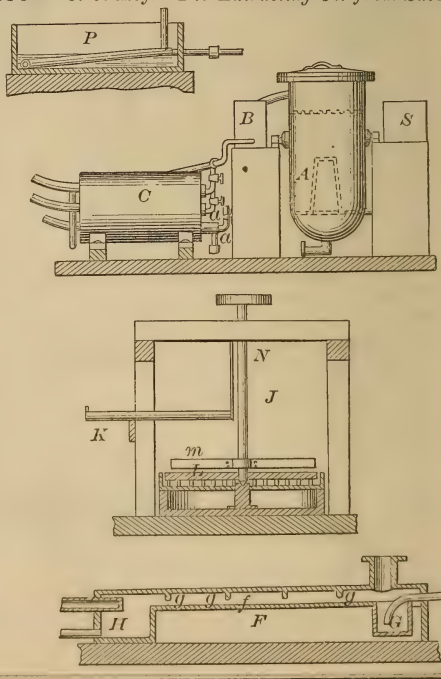
68502—S. Hartshorn—*Shade Fixture.*



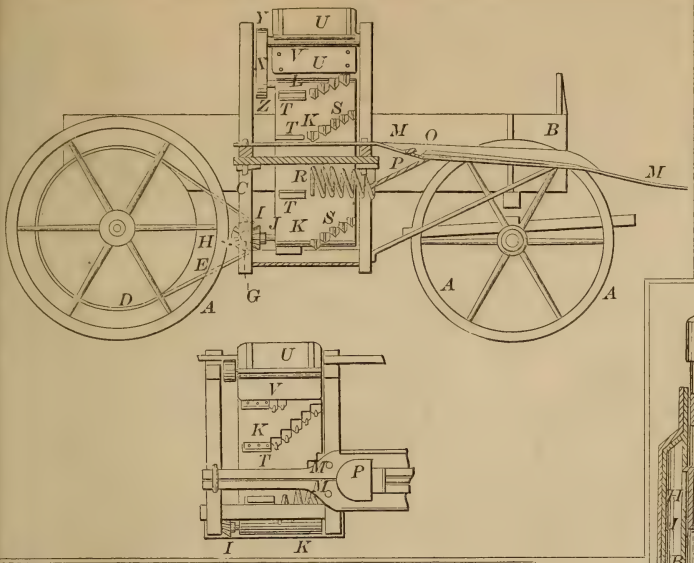
68505—C. Hayden—*Trace Fastener.*



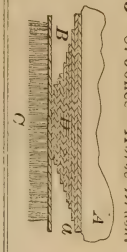
68506—C. O. Heyl—*For Extracting Oil from Substances*



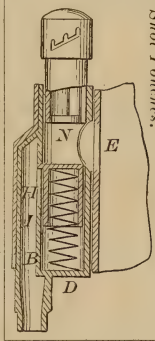
68507—J. D. Hill—*For Gathering and Husking Corn.*



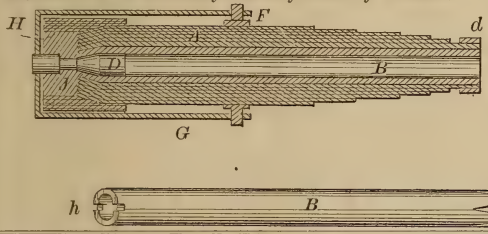
68513—O. Jones—*Horse Brush.*



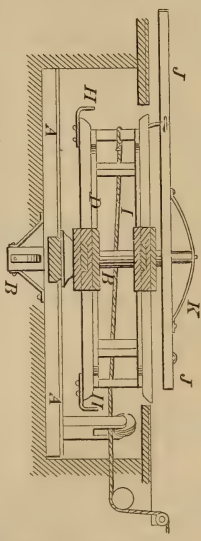
68512—C. Johnston—*Charger for Shot Pouches.*



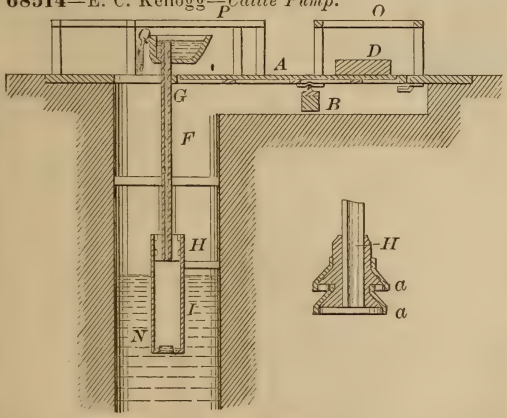
68509—T. N. Hornsby—*Manufacture of Cannon.*



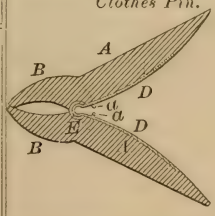
68508—Hipp & Fast—*Hay Elevator.*



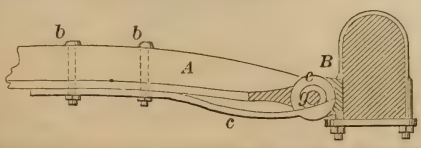
68514—E. C. Kellogg—*Cattle Pump.*



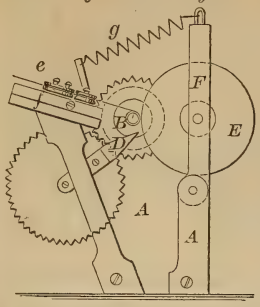
68510—J. P. R. James—*Clothes Pin.*



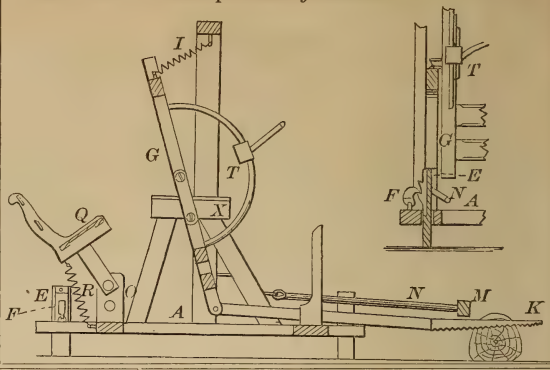
68515—J. Knox—*Thill Coupling.*



68516—S. B. Lane—*For Making Button Rings.*

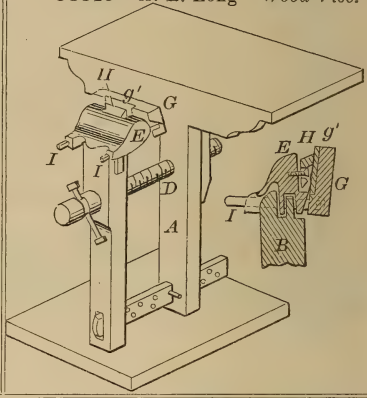


68517—G. C. Lathrop—*Sawing Machine.*

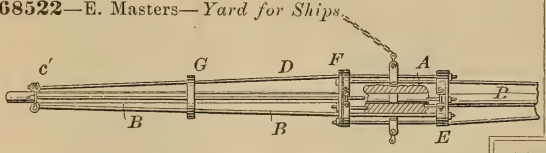


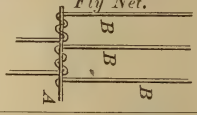
68521—S. B. Manley—*Obstetric Supporter.*

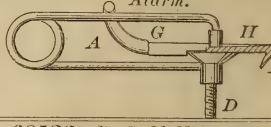
68519—H. E. Long—*Wood Vise.*



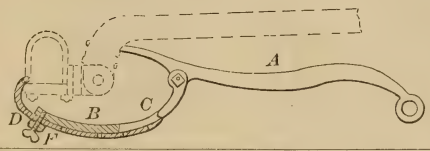
68522—E. Masters—*Yard for Ships.*



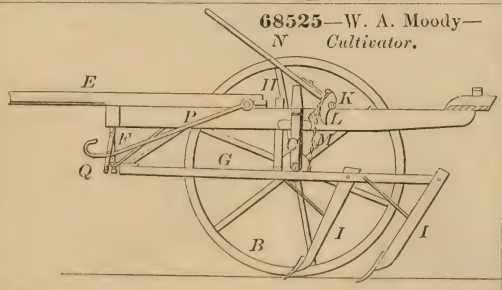
68518—L. B. & G. W. Lee—*Fly Net.*

68520—E. F. Mallory—*Burglar Alarm.*



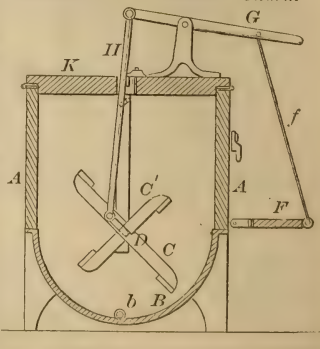
68524—M. J. Mellyn—*Adjusting Thills to Carriages.*



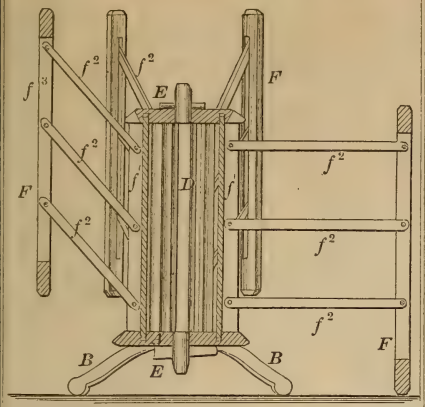
68525—W. A. Moody—*Cultivator.*



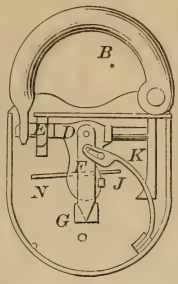
68523—D. C. McNeil—*Churn.*



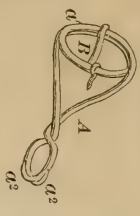
68526—R. M. Morriell—*Clothes Dryer.*



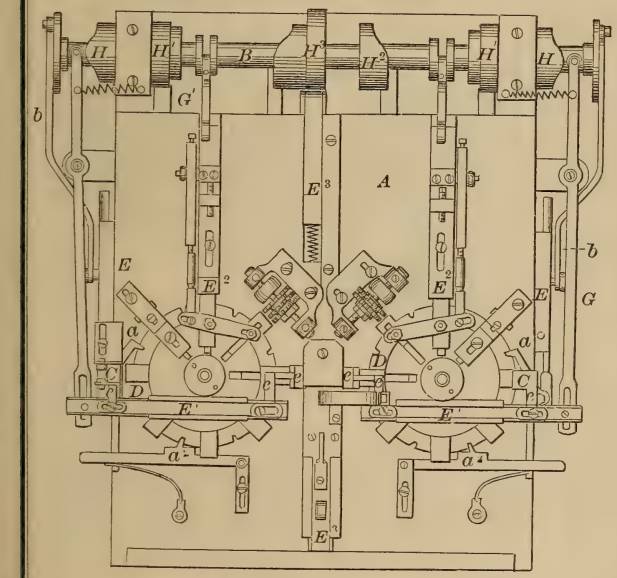
68527—W. H. Murphy—*Padlock.*

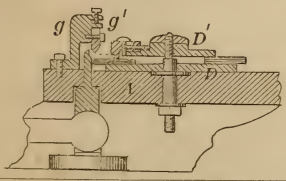


68528—S. W. Perkins—*Wire Snap Hook.*

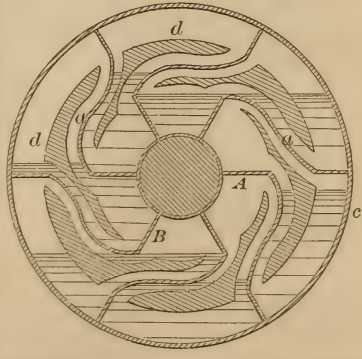


68529—A. Rais—*For Making Butt Hinges.*

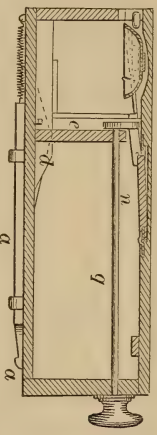




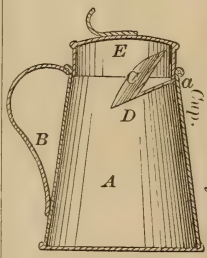
68530—R. Rice—*Fly or Balance Wheel.*



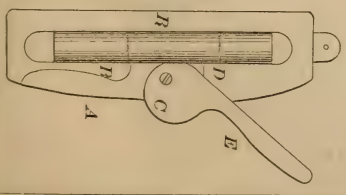
68531—L. Robbins—*Alarm Money Drawer.*



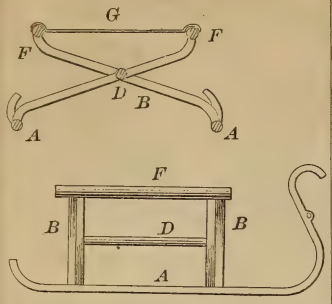
68532—W. S. Rooney—*Molasses Cup.*



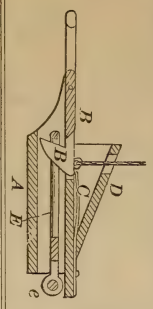
68533—Seger & Smith—*Clamp for Hinges.*



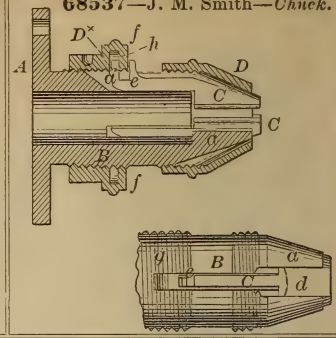
68534—J. Shaaber—*Sled.*



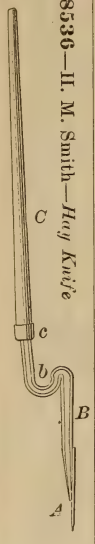
68535—J. L. Short—*Trace Fastener.*



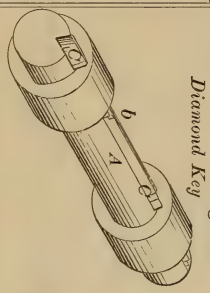
68537—J. M. Smith—*Chuck.*



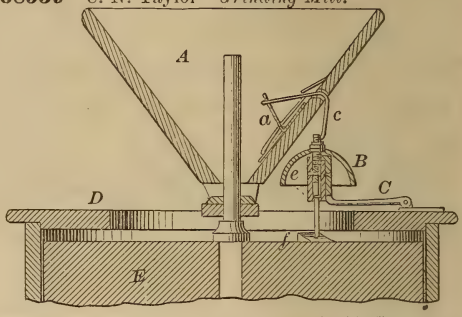
68536—H. M. Smith—*Hay Knife.*



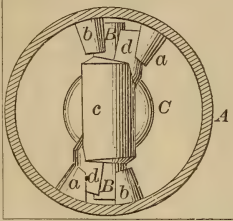
68538—B. F. Southgate—*Diamond Key.*



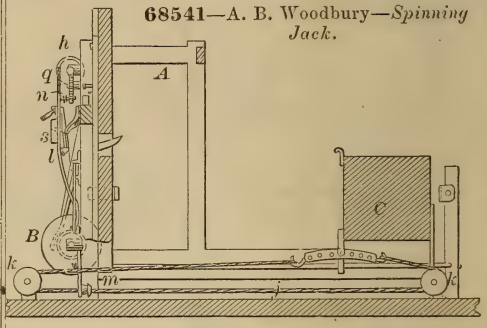
68539—C. N. Taylor—*Grinding Mill.*



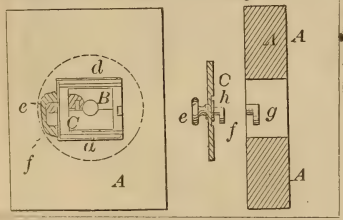
68542—A. Zwichel—*Universal Joint.*



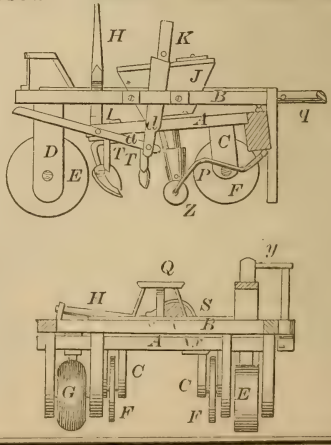
68541—A. B. Woodbury—*Spinning Jack.*



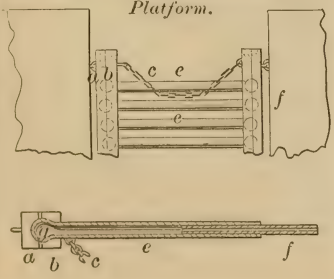
68540—W. Welch—*Locking Device.*



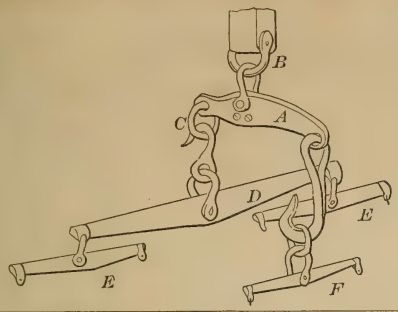
68544—Andrews & Green—*Corn Planter.*



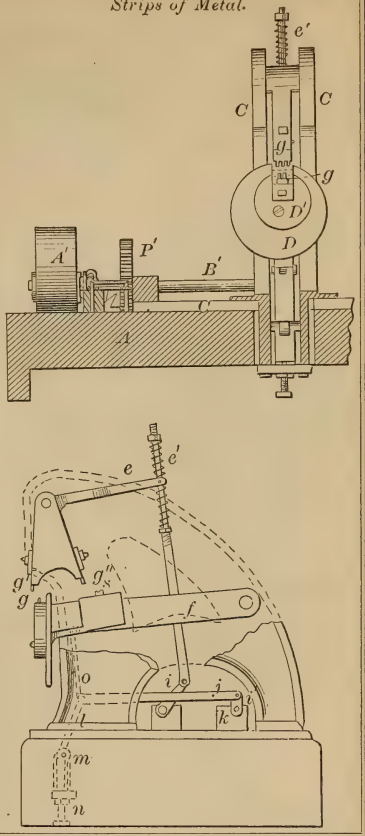
68543—C. R. Abbot—*Safety Car Platform.*



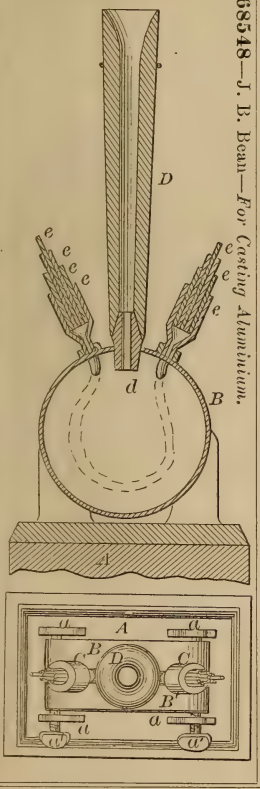
68545—Austin & Schaw—*Plow Clevis.*



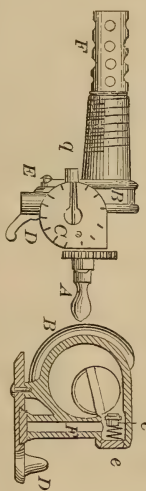
68547—H. A. Bartlett—*For Connecting Strips of Metal.*



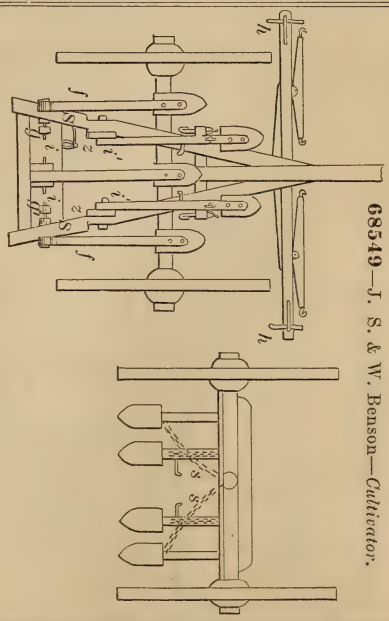
68548—J. B. Bean—*For Casting Ammunition.*



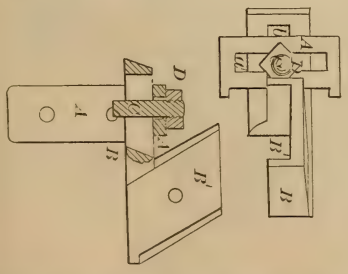
68546—Baker & Harbster—*Rotary Measuring Faucet.*



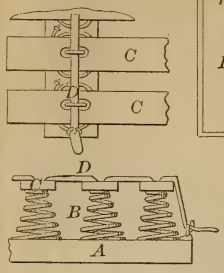
68549—J. S. & W. Benson—*Cultivator.*



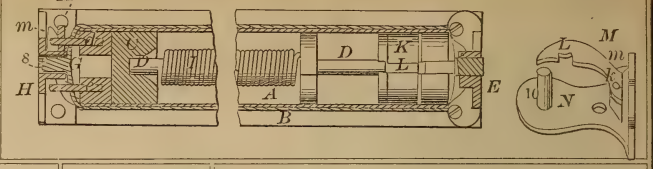
68550—E. L. Bergstresser—*Plow.*



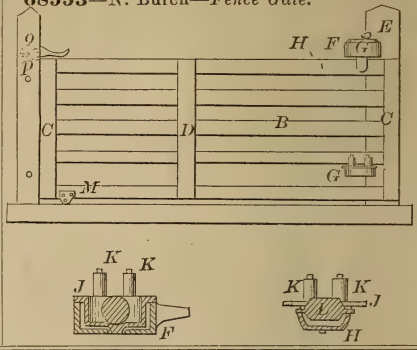
68551—B. R. Boynton—*Bed Bottom.*



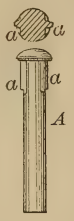
68552—E. T. Briggs—*Curtain Fixture.*



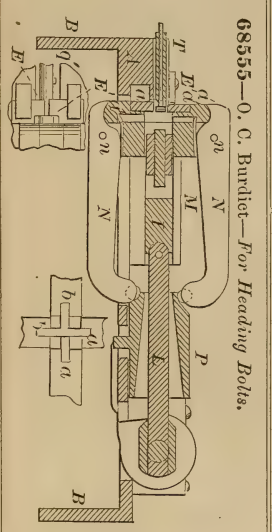
68553—N. Burch—*Fence Gate.*



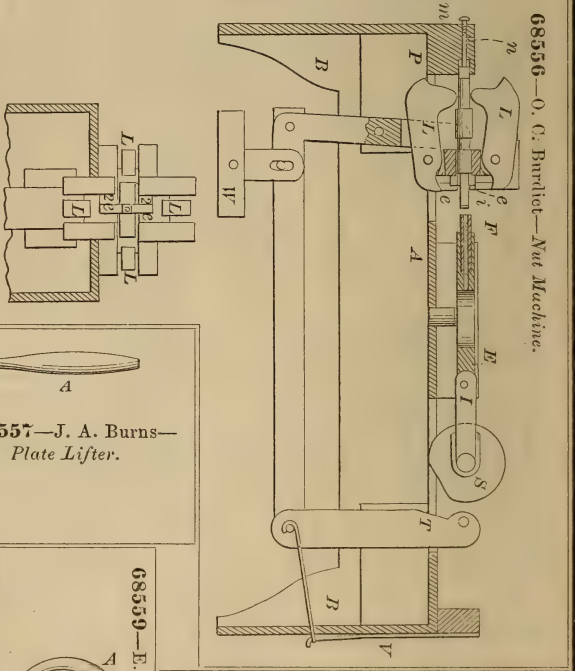
68554—O. C. Burdict—*Carriage Bolt.*



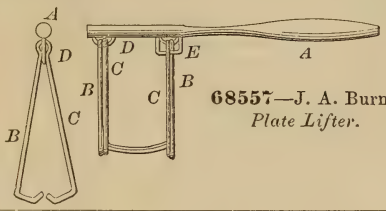
68555—O. C. Burdict—*For Heading Bolts.*



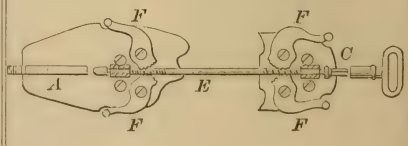
68556—O. C. Burdict—*Nut Machine.*



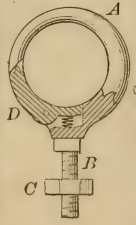
68557—J. A. Burns—*Plate Lifter.*



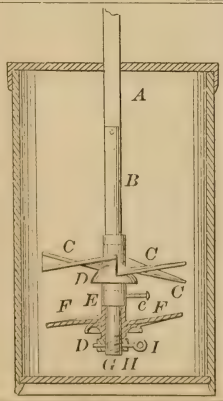
68558—R. Carmichael—*Skate.*



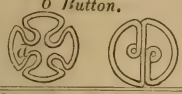
68559—E. Deming—*Check Hook.*



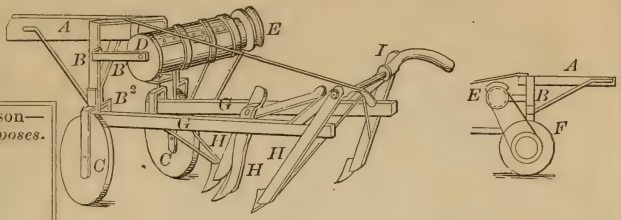
68560—J. E. Finley—*Churn.*



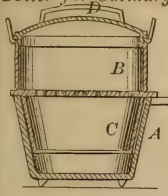
68562—R. H. Guilford—*b Button.*



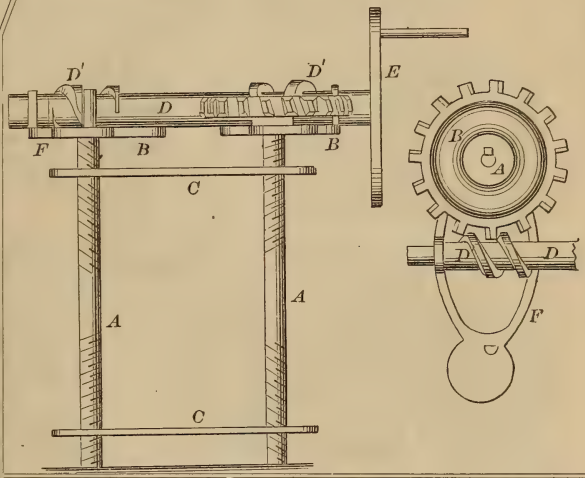
68563—P. Hackett—*Seed Sower and Corn Plow.*



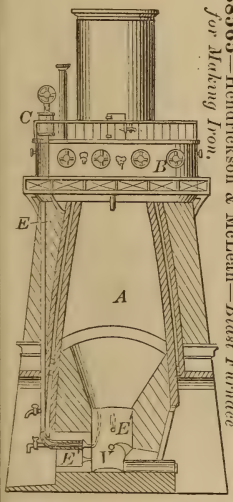
68564—W. H. Henderson—*Boiler for Culinary Purposes.*



68568—M. McElroy—*Hay and Cotton Press.*

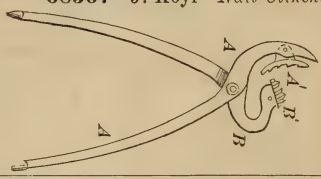


68565—Hendrickson & McLean—*Blast Furnace for Making Iron.*

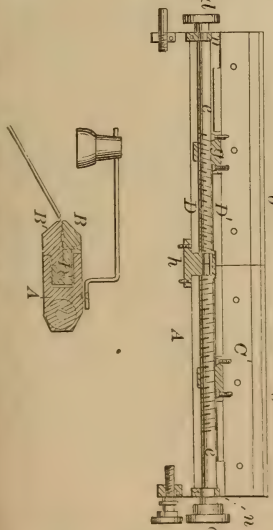


68570—F. B. Morse—*Whiffletree Iron.*

68567—J. Koyl—*Nail Clincher.*

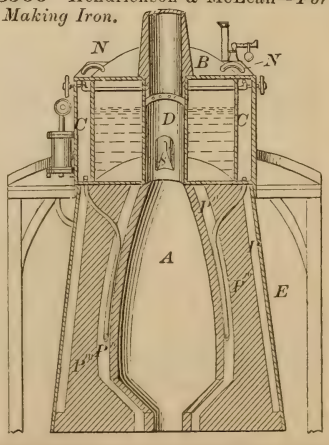


68571—W. B. Pollock—*Paper Baling Machine.*

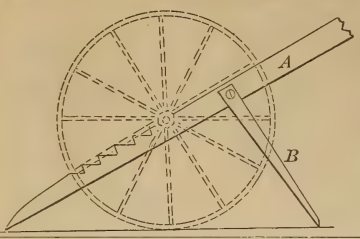


68569—J. D. Miller—*Hitching Strap.*

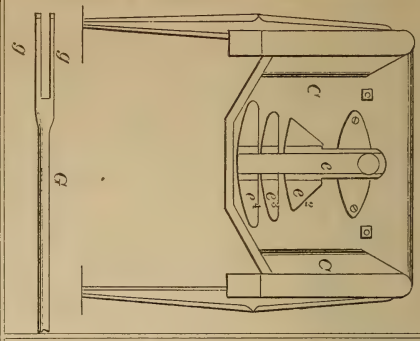
68566—Hendrickson & McLean—*For Making Iron.*



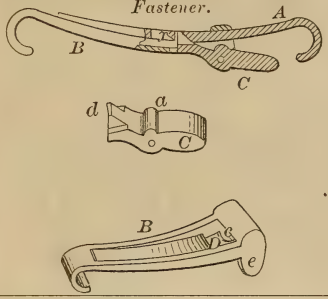
68572—P. C. Porter—*Carriage Jack.*



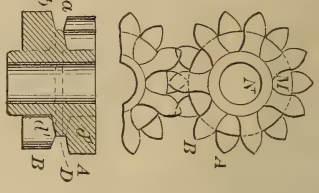
68573—A. Powell—*Washing Machine.*



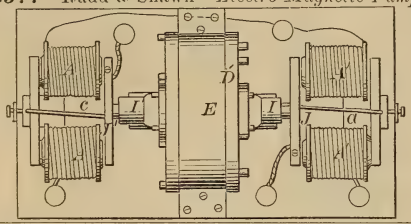
68575—J. R. Richardson—*Hame Fastener.*

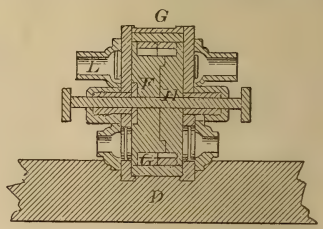


68576—W. Rowell—*Clothes Wringer.*

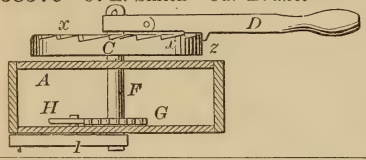


68577—Rudd & Shawk—*Electro-Magnetic Pump.*



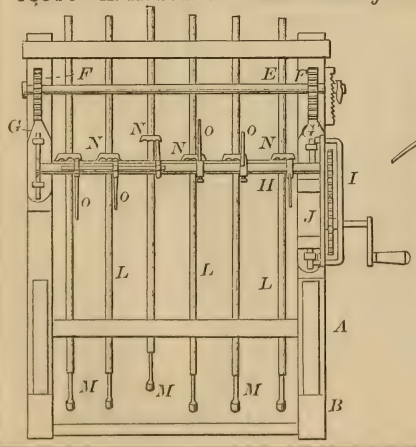


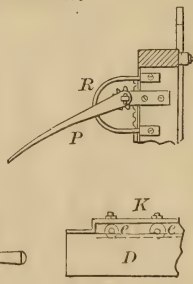
68579—J. L. Smith—*Car Brake.*



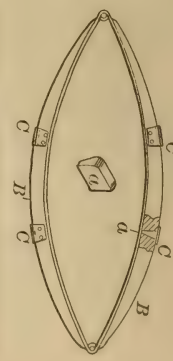
68574—C. C. Reynolds—*Threshing Machine.*

68580—A. M. Southard—*Stone Drilling Machine.*

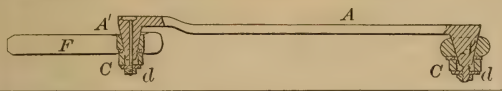




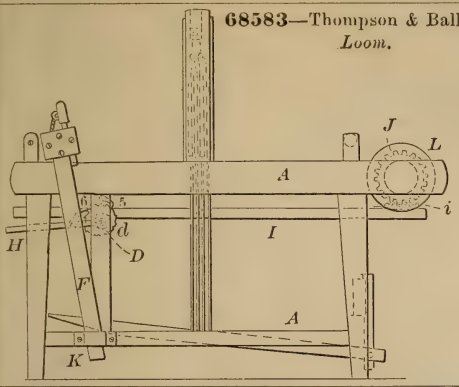
68578—Smith & Judson—*Spring.*



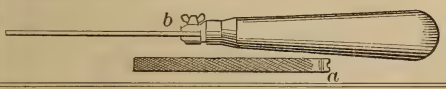
68581—G. L. Squier—*Harvester Pitman.*



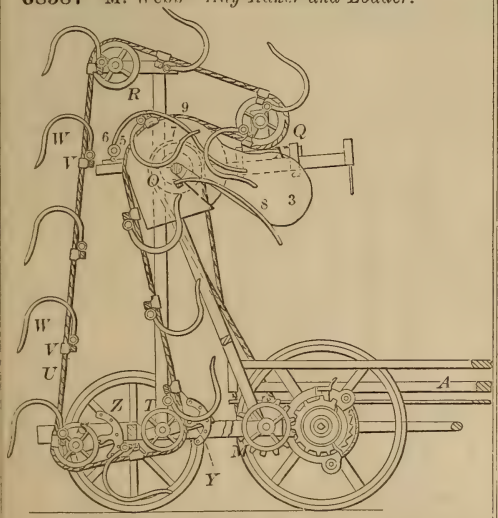
68583—Thompson & Ballard—*Loom.*



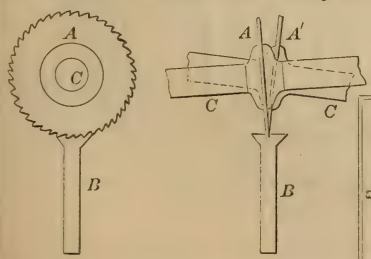
68584—A. Weed—*File.*



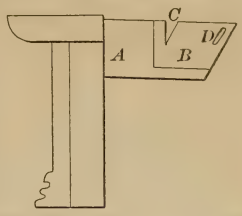
68587—M. Webb—*Hay Raker and Loader.*



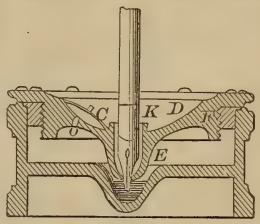
68592—J. A. Ayres—*For Nicking Screws.*



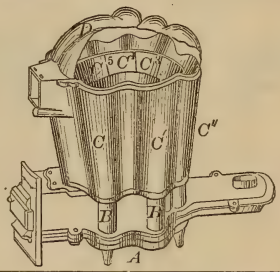
68586—C. E. Wilcox—*Billiard Table Cushion.*



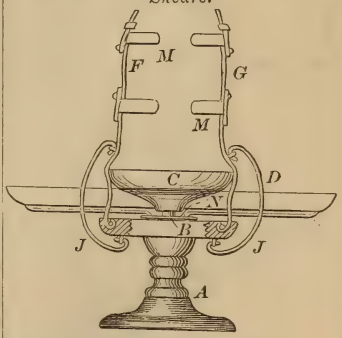
68588—S. Darling—*Inkstand.*



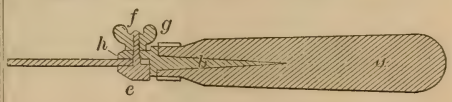
68589—J. Albee—*Hot Air Furnace.*



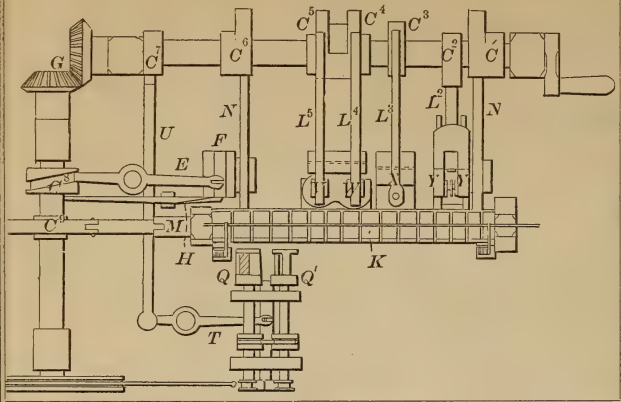
68591—A. D. Atwood—*Sheep Shears.*



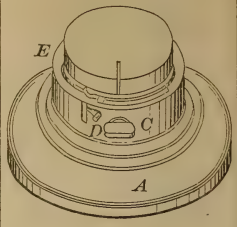
68585—A. Weed—*File Handle.*

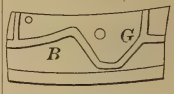


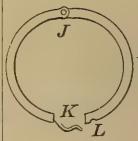
68593—R. T. Barton—*For Making Needles.*



68595—D. Bickford—*Knitting Machine.*

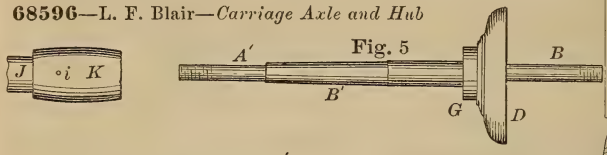


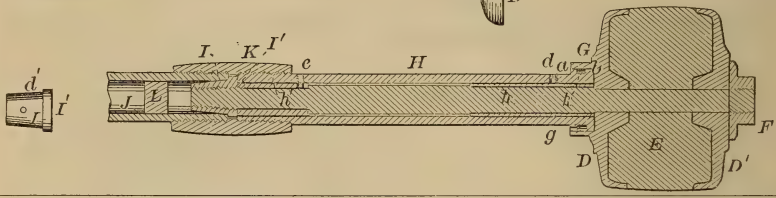




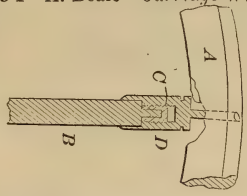
68596—L. F. Blair—*Carriage Axle and Hub*

Fig. 5

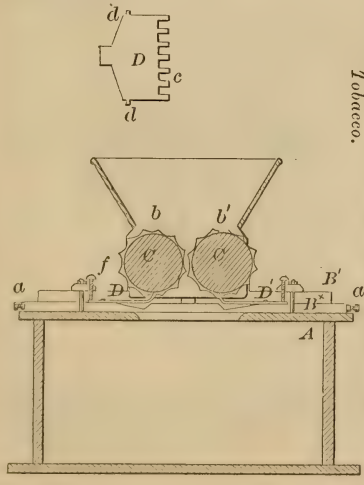




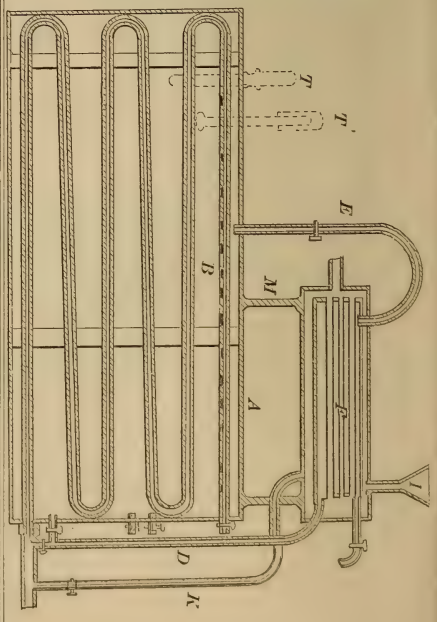
68594—A. Beale—*Carriage Wheel.*



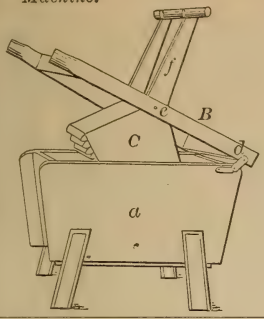
68597—N. H. Borgfeldt—*For Breaking Stems of Tobacco.*



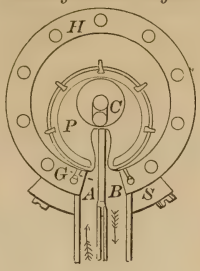
68598—J. F. Boynton—*Steam Generator.*



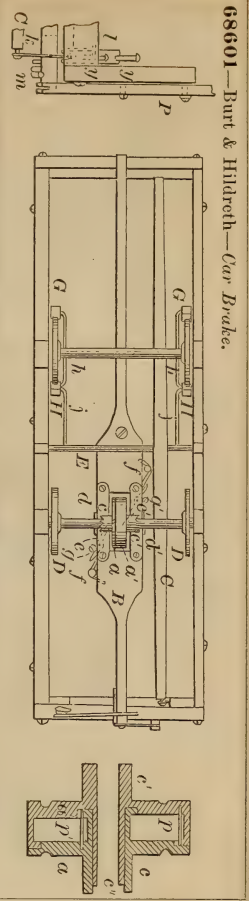
68599—T. Brown—*Washing Machine.*



68602—L. Carpenter—*Rotary Steam Engine.*

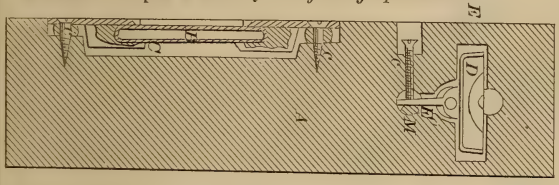


68601—Burt & Hildreth—*Car Brake.*

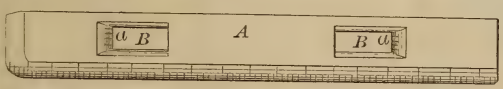


68600—Burnham & Brown—*For Preventing Horses from Running.*

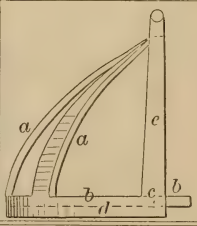
68603—Chapin & Stanley—*Adjusting Spirit Level.*



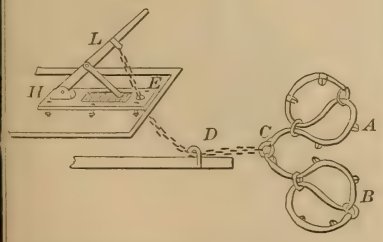
68605—D. W. Clegg—*Counting House Ruler.*



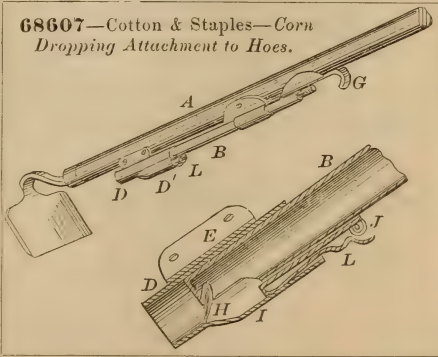
68604—S. F. Clark—*Safety Stirrup.*



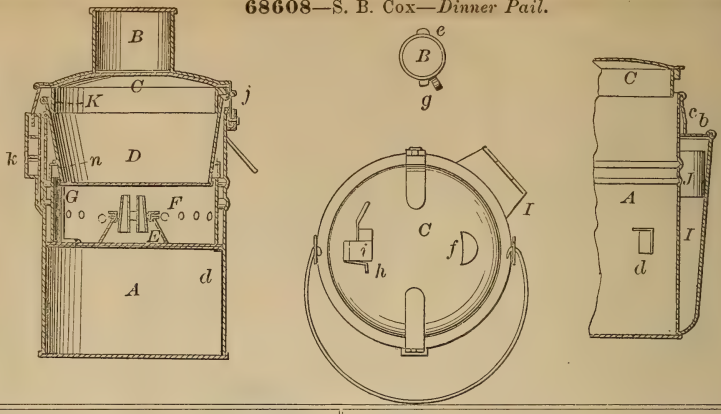
68606—S. M. Cooper—*For Stopping Runaway Horses.*



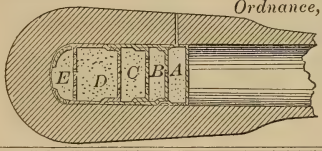
68607—Cotton & Staples—*Corn Dropping Attachment to Hoes.*



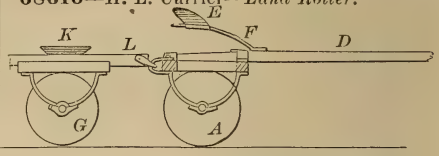
68608—S. B. Cox—*Dinner Pail.*



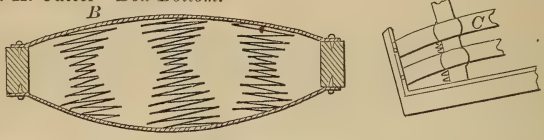
68609—J. M. Crockett—*Cartridge for Ordnance, &c*



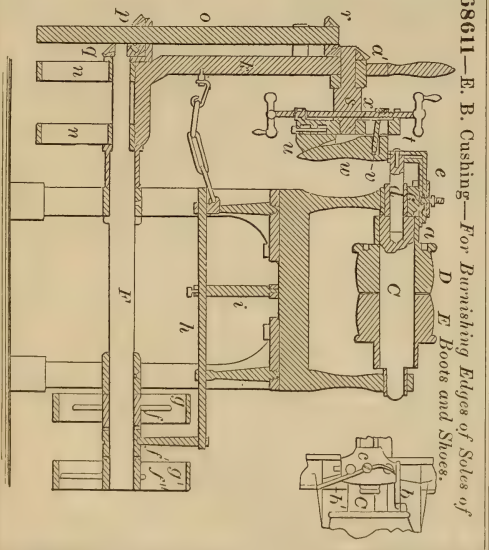
68610—H. L. Currier—*Land Roller.*



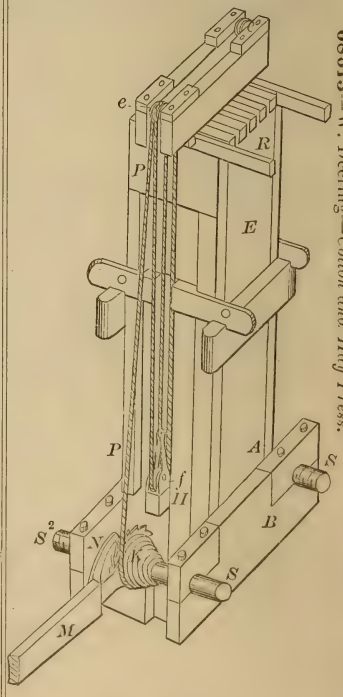
68612—R. H. Cutter—*Bed Bottom.*



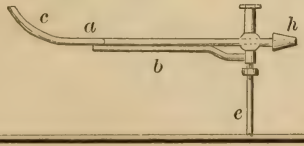
68611—E. B. Cushing—*For Burnishing Edges of Soles of Boots and Shoes.*



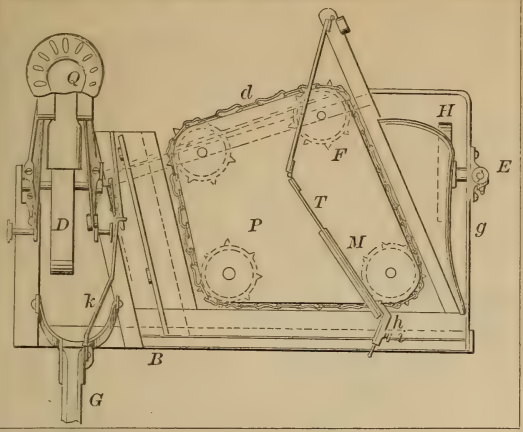
68613—W. Deering—*Cotton and Hay Press.*



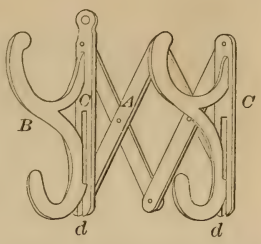
68614—C. H. Eccleston—*Atomizing Tube.*



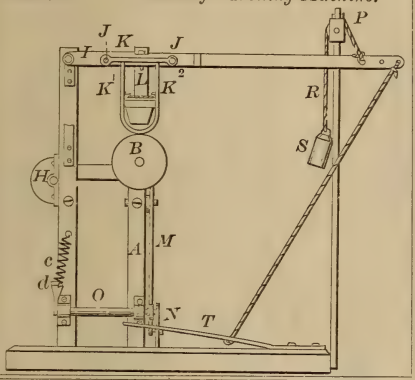
68615—D. L. Emerson—*Harvester.*



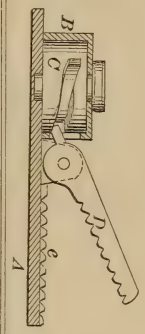
68616—F. M. Everingham—*Clothes and Picture Hanger.*



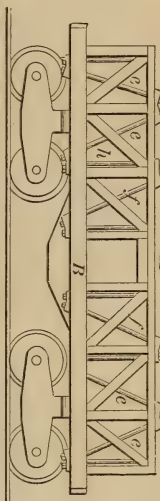
68617—P. J. Flanedy—*Ironing Machine.*



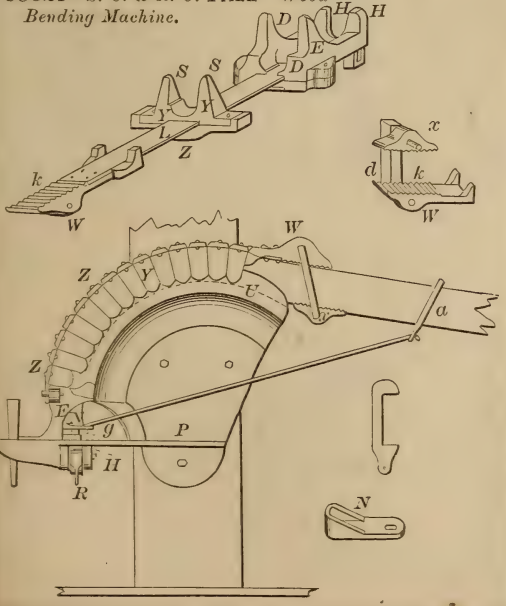
68618—B. S. Fletcher—*Rein Holder.*



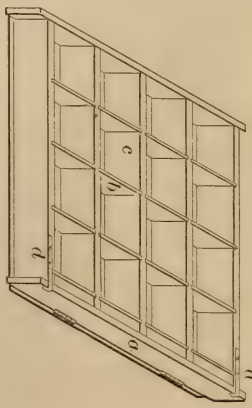
68619—J. Foreman—*Railway Car.*



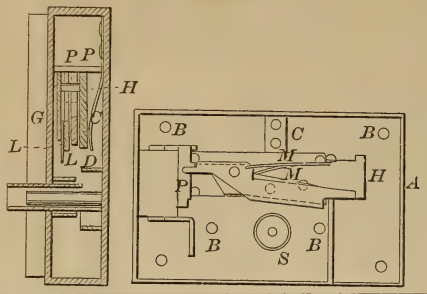
68621—S. C. & E. O. Frink—*Wood Bending Machine.*



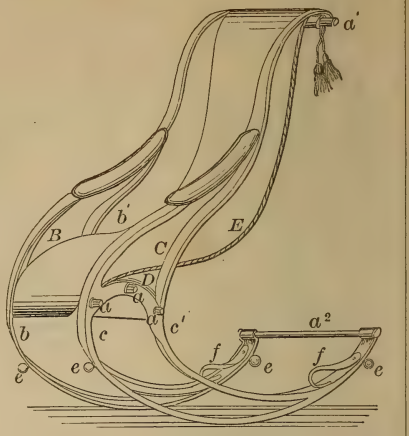
68620—H. C. Freeman—*For Transporting Strawberries.*



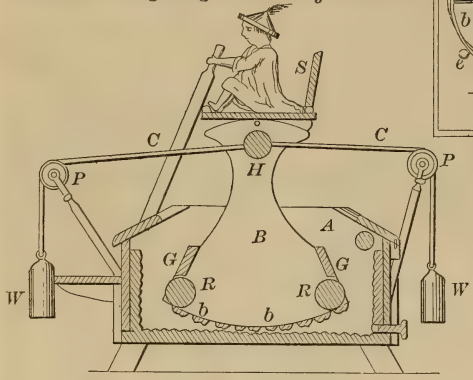
68622—H. R. Gillingham—*Door Lock.*

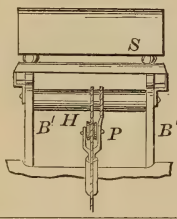


68627—R. Hoffmann—*Rocking Chair.*



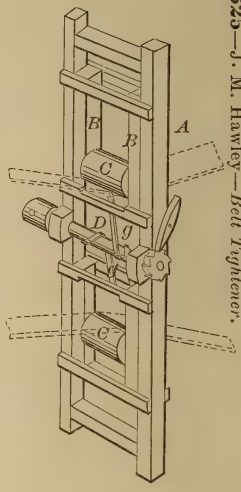
68626—J. Highbarger—*Washing Machine.*





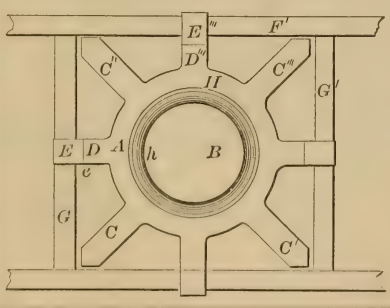
68623—D. Hale—*Driving Bit.*

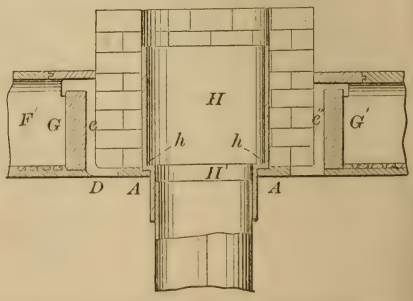
68625—J. M. Hawley—*Belt Tightener.*



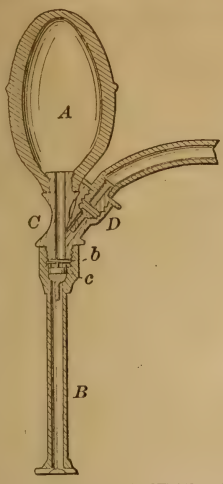
68624—J. Hale—*Washer.*

68628—A. Hutchinson—*Stove Pipe Thimble.*

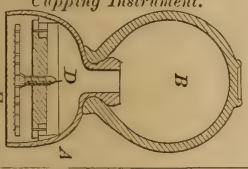




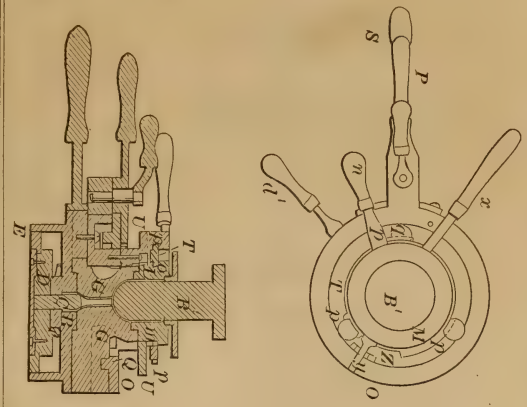
68629—T. Lewis—*Syringe.*



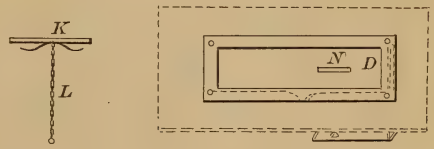
68630—E. J. Leyburn—*Cupping Instrument.*



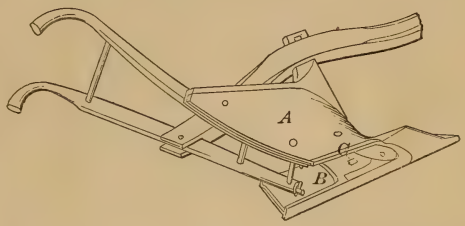
68633—J. Magoun—*Mould for Glasses, &c.*



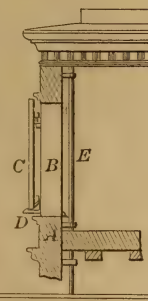
68634—J. M. March—*Baggage Label.*



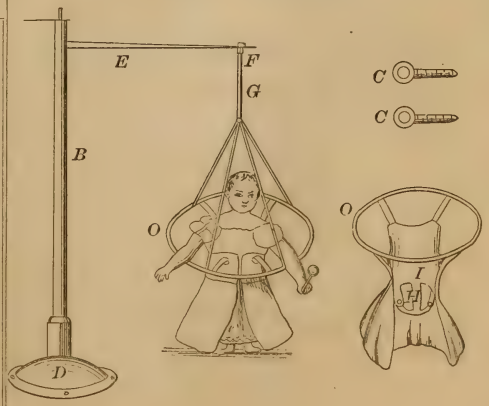
68635—T. March—*Plow.*



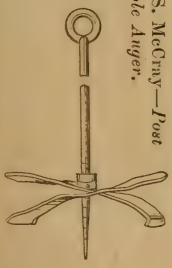
68636—W. C. Marshall—*For Operating Window Shutters.*



68637—A. H. Mason—*Baby Jumper.*



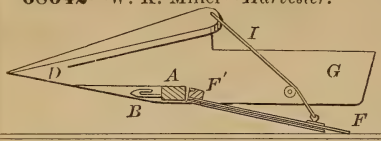
68638—S. McCray—*Post Hole Auger.*



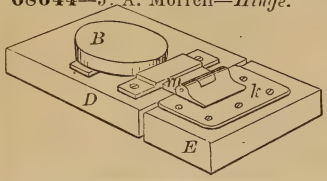
68640—L. Mendel—*Safety Attachment for Watch Chains.*

68641—C. F. W. Meyer—*Leather Hose.*

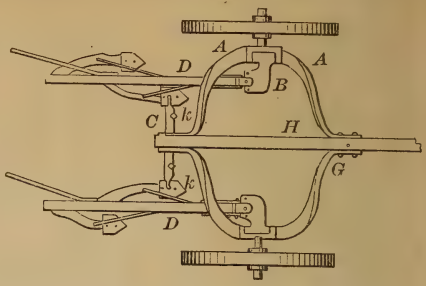
68642—W. K. Miller—*Harvester.*



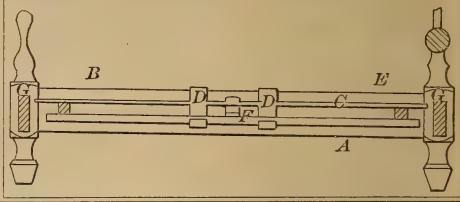
68644—J. A. Morrell—*Hinge.*



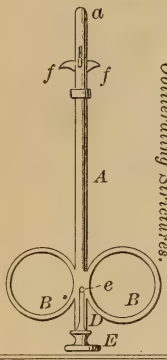
68648—W. H. Parlin—*Corn Cultivator.*



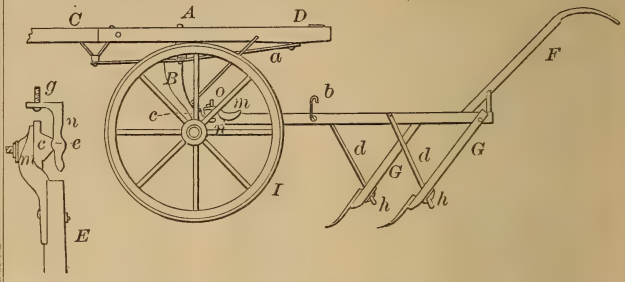
68645—R. B. Nevens—*Bed Bottom.*



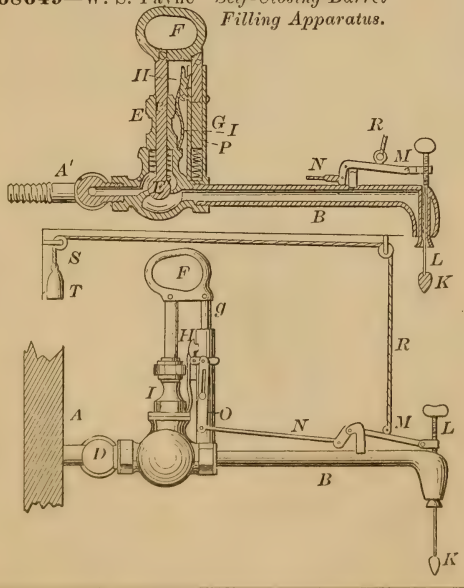
68647—G. N. Palmer—*For Obliterating Strictures.*



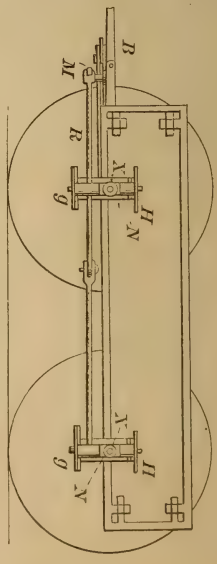
68643—G. Moore—*Cultivator.*



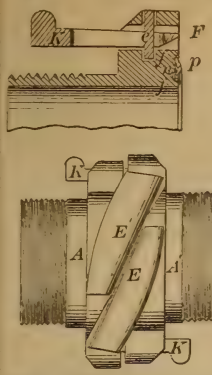
68649—W. S. Payne—*Self-Closing Barrel Filling Apparatus.*



68646—B. F. Paine—*Running Gear for Vehicles.*

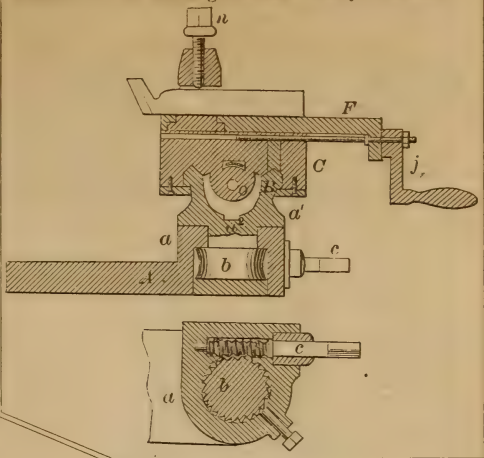


68650—Perkins & Hovey—*Hose Coupling.*

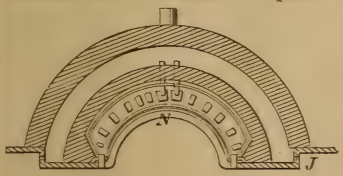


68652—A. J. & A. J. Rice—*Boot and Shoe Shank.*

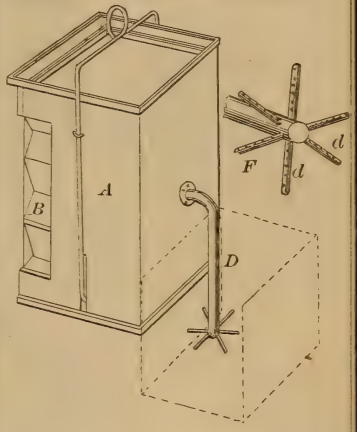
68654—J. G. Rominger—*Slide Rest for Lathes.*



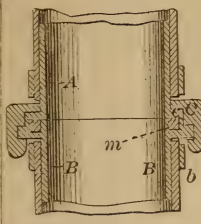
68653—E. Y. Robbins—*Fireplace.*

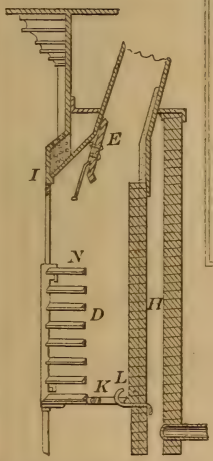


68655—H. D. Rumsey—*Churn.*

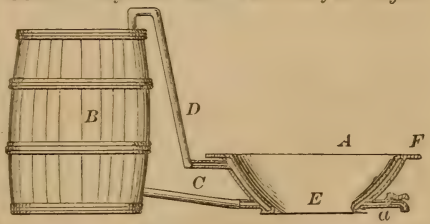


68656—O. Salgee—*Hose Coupling.*

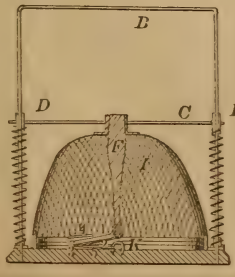




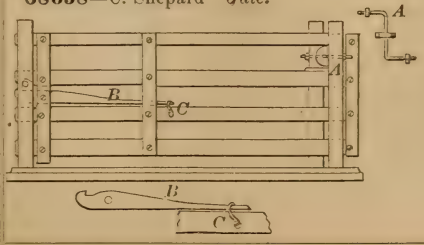
68657—Saylor & Bair—*Fire Box for Forges.*



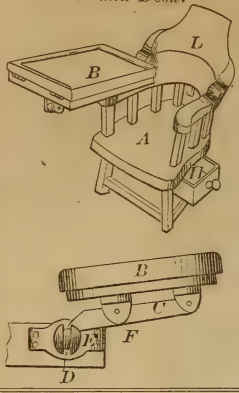
68651—S. S. Rain—*Animal Trap.*



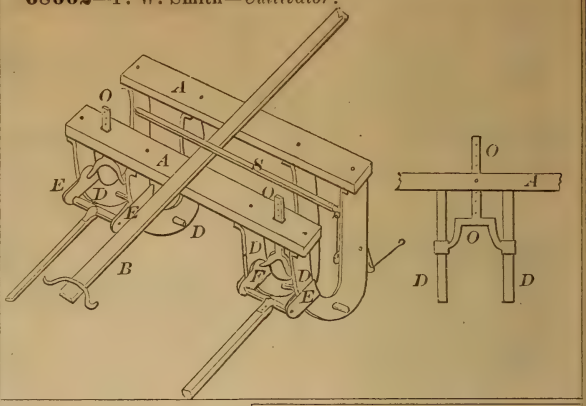
68658—C. Shepard—*Gate.*



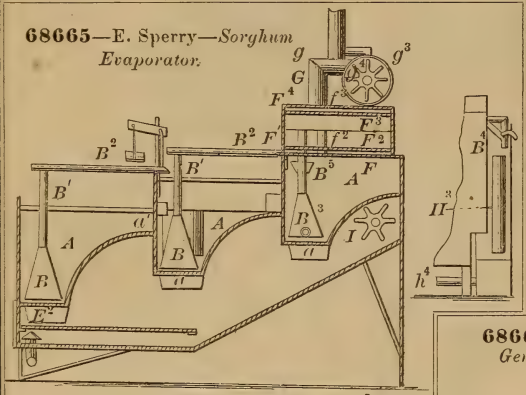
68659—C. B. Sherman—*Chair and Desk.*



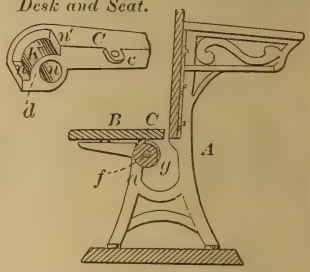
68662—P. W. Smith—*Cultivator.*



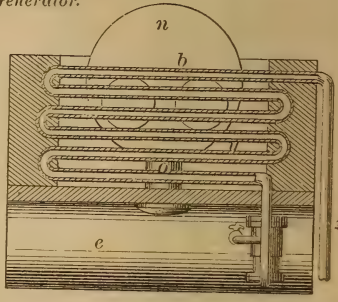
68665—E. Sperry—*Sorghum Evaporator.*

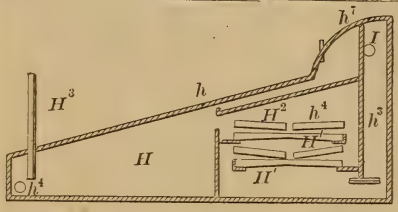


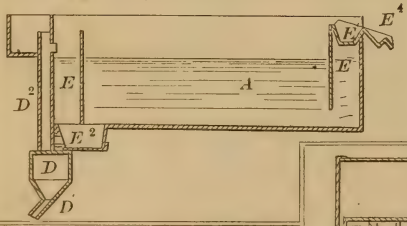
68660—H. M. Sherwood—*School Desk and Seat.*



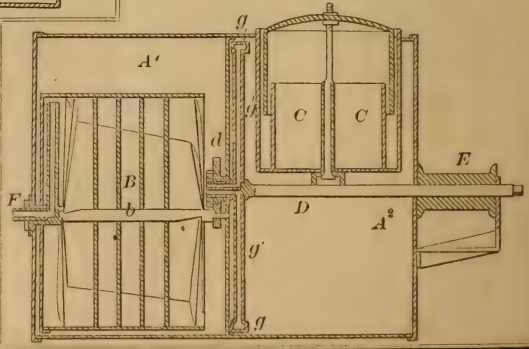
68663—Snowdon & Wilkins—*Steam Generator.*



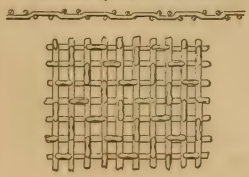




68666—L. Stevens—*For Carburetting Air.*

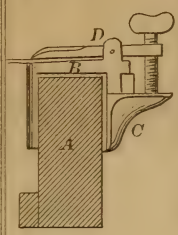


68664—R. Speidel—*For Floors of Malt Kilns.*

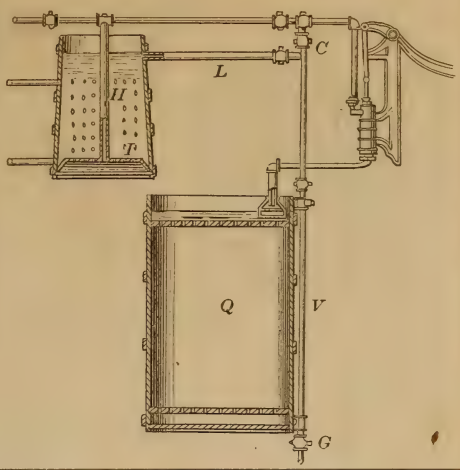


68667—H. T. Stith—*Journal Box.*

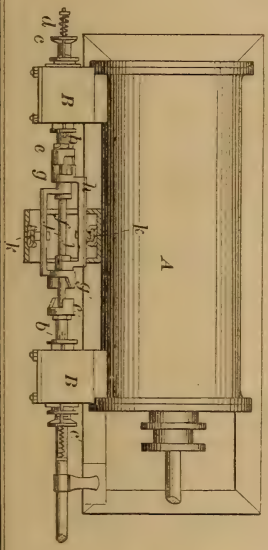
68668—A. Storm—*Bed Clothes Clamp.*



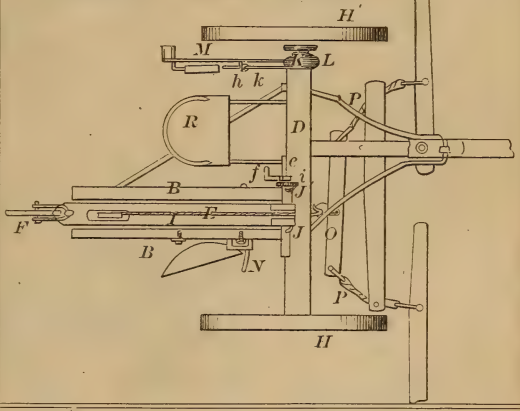
68669—F. Sylvester—*Refining Petroleum.*

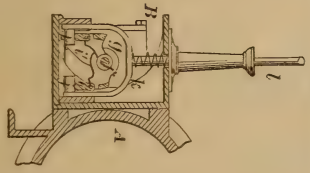


68672—H. Uhry—*Valve Gear for Steam Engines.*

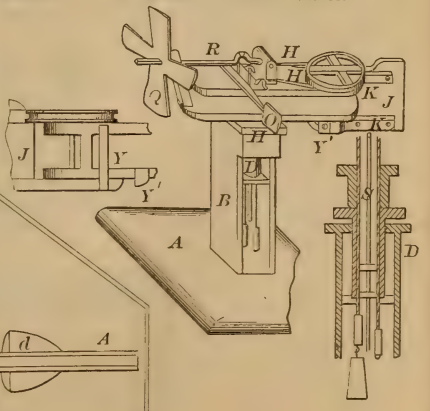


68673—H. J. Wattles—*Gang Plow.*

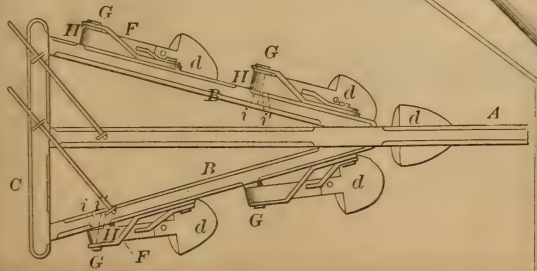




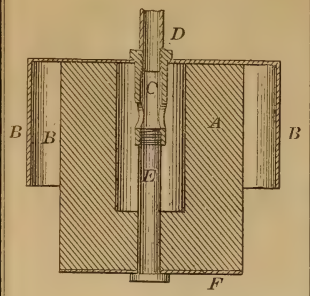
68674—L. H. Wheeler—*Wind Wheel.*



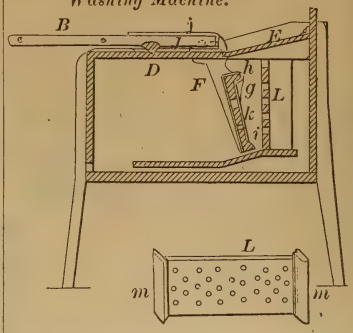
68670—J. R. Thomas—*Corn Plow.*



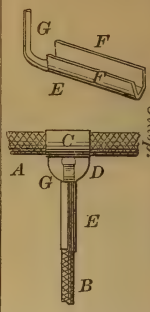
68675—W. H. Wiley—*Filter.*



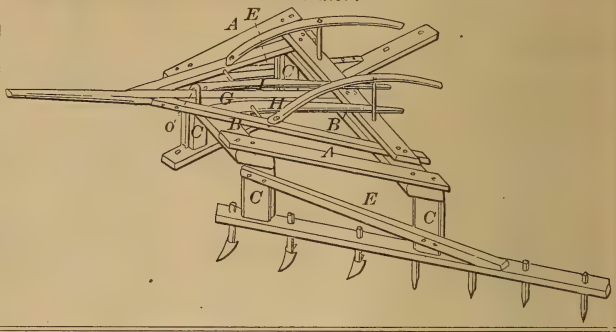
68676—A. T. Williamson—*Washing Machine.*



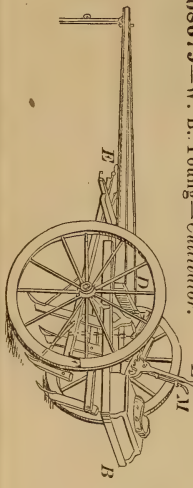
68677—S. R. Wilmot—*Hoop Skirt Clasp.*



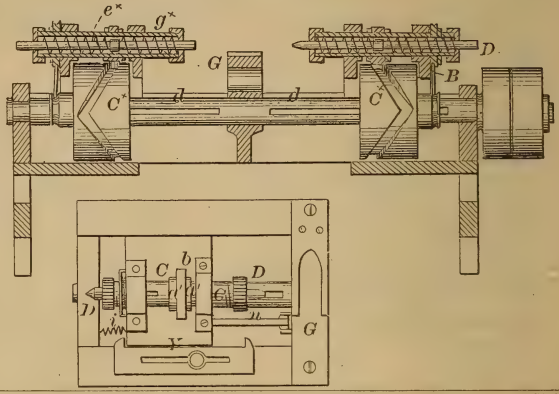
68678—M. Wilson—*Corn Cultivator.*



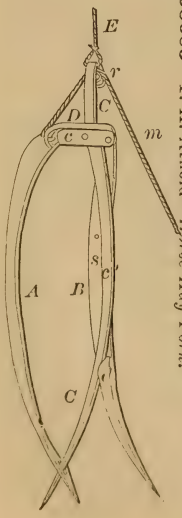
68679—W. B. Young—*Cultivator.*



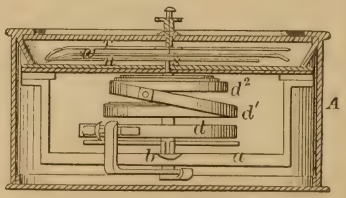
68680—J. Adt—*Riveting Machine.*



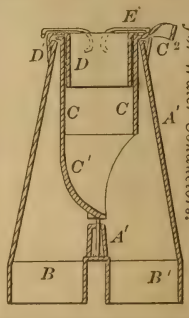
68683—T. H. Arnold—*Horse Hay Fork.*



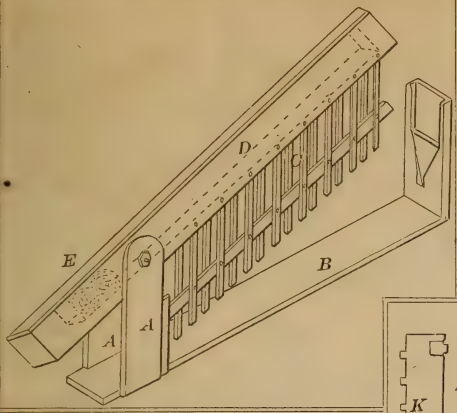
68681—M. Ames—*Self-Registering Thermometer.*



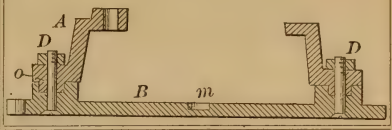
68682—E. B. Armstrong—*Cut-off for Water Conductors.*



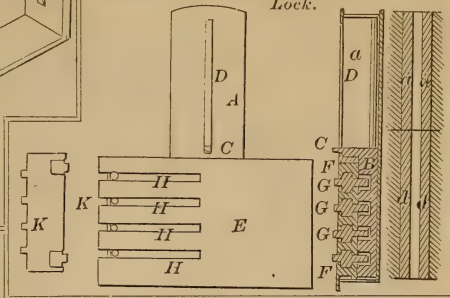
68684—H. Balschmiter—*Gate.*



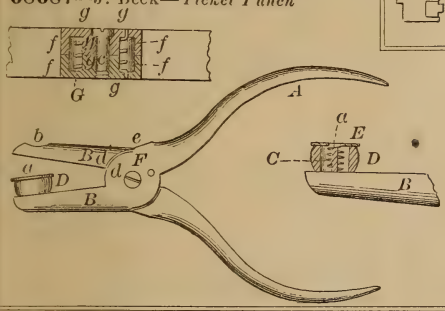
68691—J. Bish—*Horse Power.*



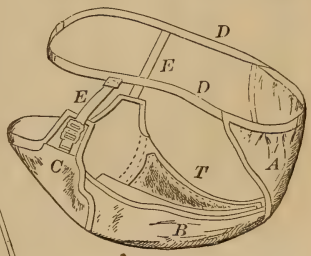
68685—H. Basch—*Permutation Trunk Lock.*



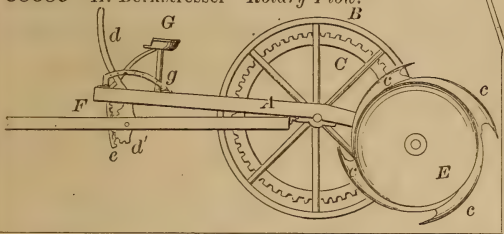
68687—J. Beck—*Ticket Punch*



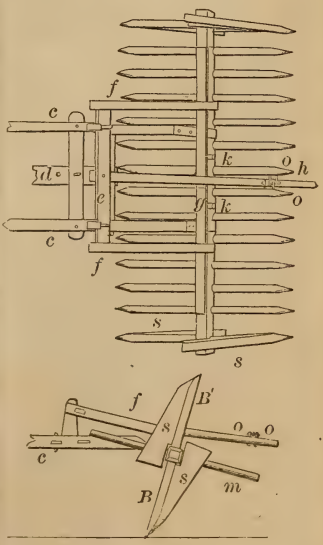
68688—J. A. Belvin, Jr.—*Catamenial Guard and Supporter.*



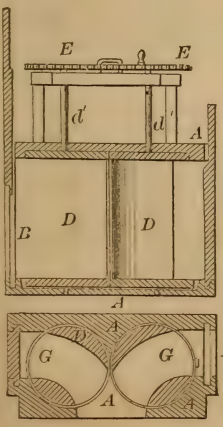
68689—H. Berkstresser—*Rotary Plow.*



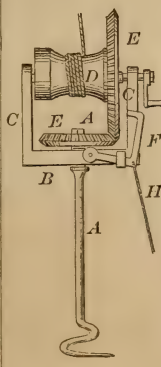
68693—I. W. Boatman—*Horse Rake.*



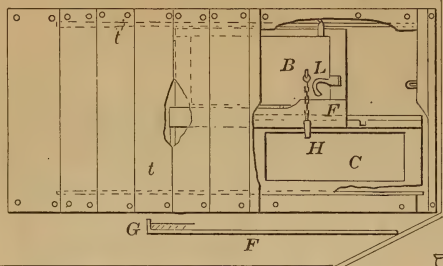
68692—C. D. Blakeslee—*Gate for Water Wheels.*



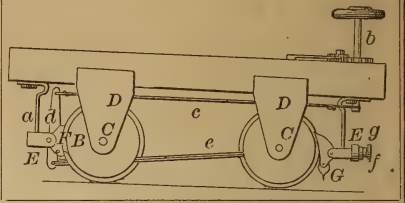
68690—M. D. Birge—*Horse Hay Fork.*



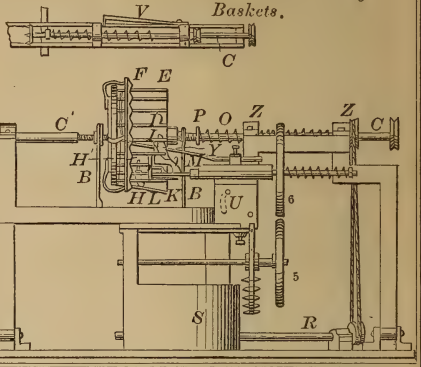
68694—S. E. Bright—*Door for Grain Cars.*



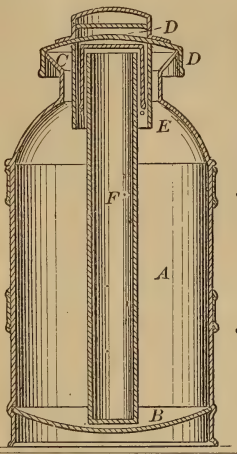
68701—T. B. Comins, Jr.—*Car Brake.*



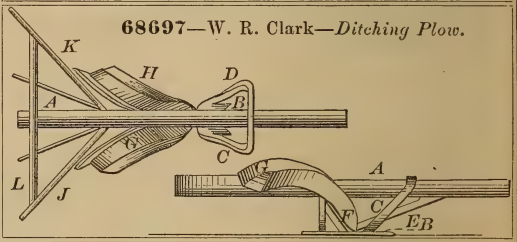
68695—F. H. Brown—*For Weaving Baskets.*



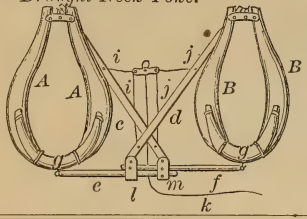
68696—J. Buckley—*Milk and Oyster Can.*



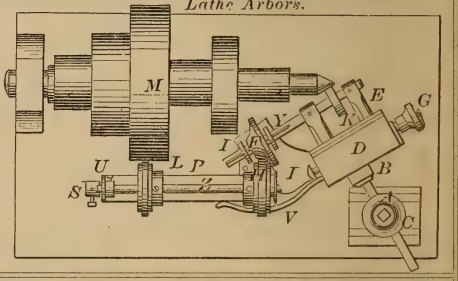
68697—W. R. Clark—*Ditching Plow.*



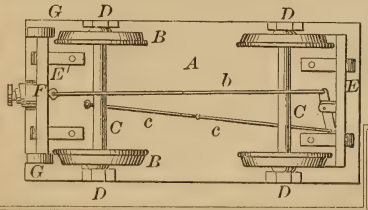
68699—A. B. Coleman—*Draught Neck Yoke.*



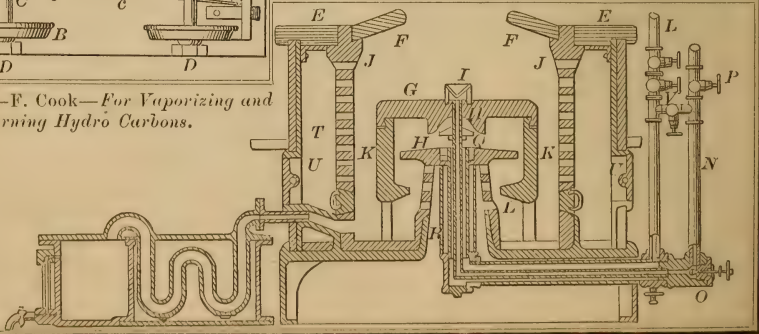
68698—Coester & Lawther—*For Grinding Lathe Arbors.*



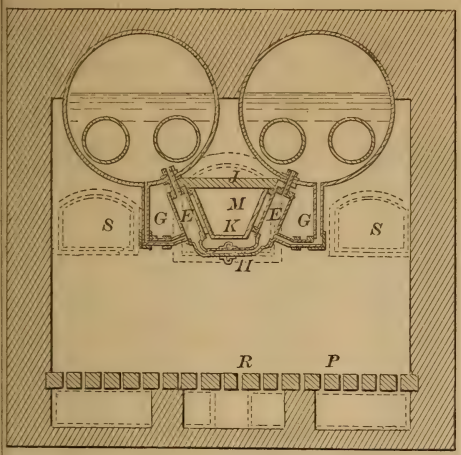
68700—T. B. Comins, Jr.—*Car Brake.*



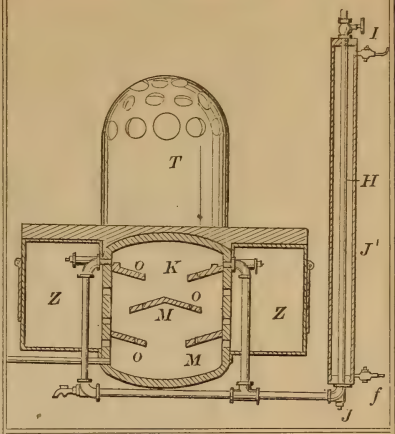
68702—F. Cook—*For Vaporizing and Burning Hydro Carbons.*



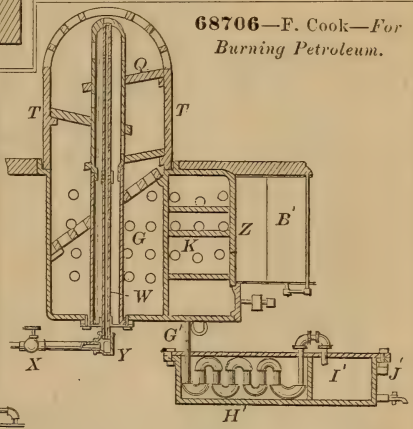
68703—F. Cook—*Vaporizing and Burning Hydro Carbons.*

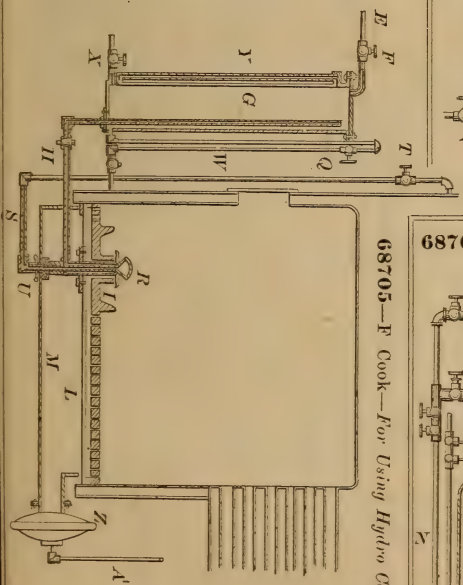


68704—F. Cook—*For Burning Petroleum.*



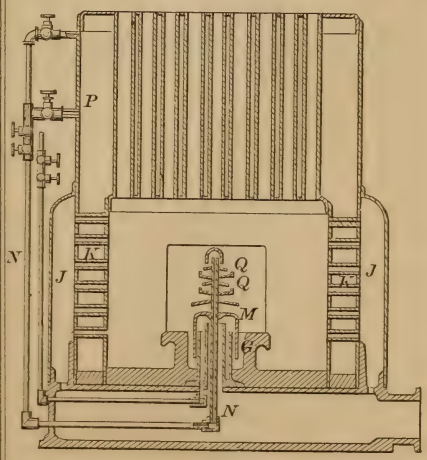
68706—F. Cook—*For Burning Petroleum.*



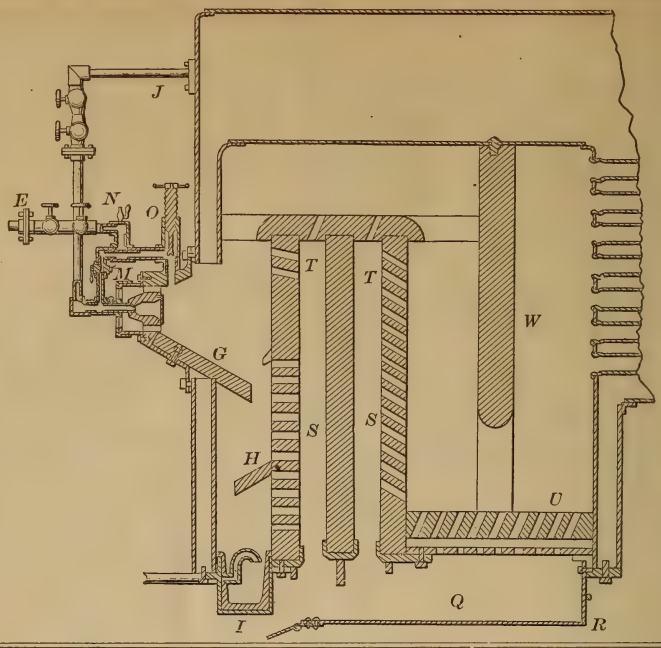


68705—F Cook—*For Using Hydro Carbons as Fuel.*

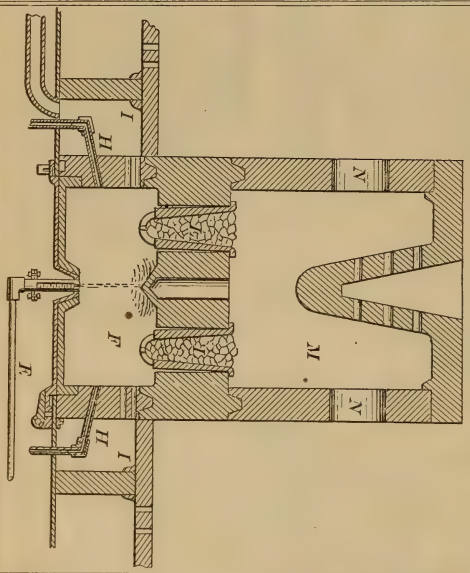
68707—F. Cook—*Burning Hydro-Carbon Oil.*

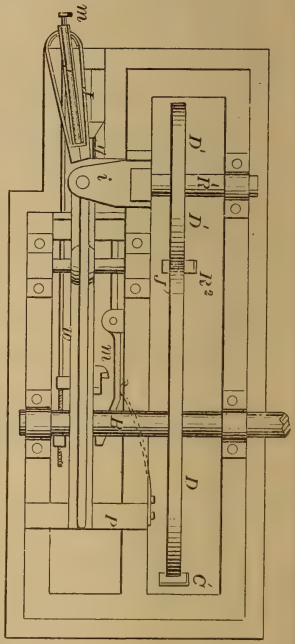


68707—F. Cook—*Burning Hydro-Carbon Oil.*

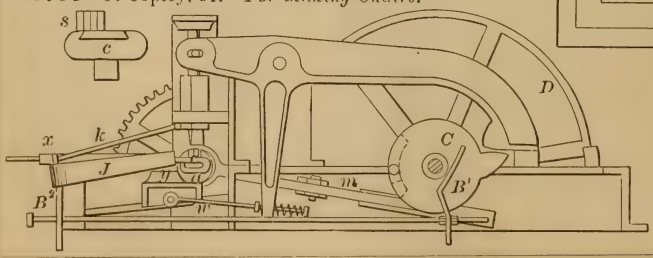


68708—Cook & Bassett—*For Vaporizing and Decomposing Hydro-Carbon Liquids.*

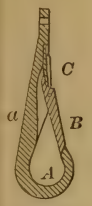




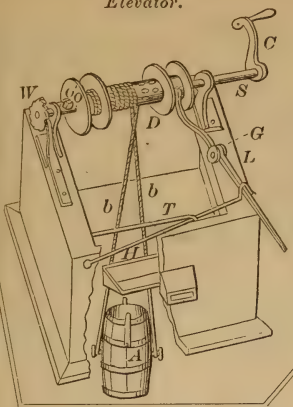
68709—J. Copley, Jr.—*For Making Chairs.*



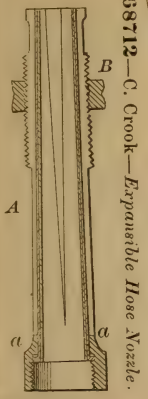
68710—E. Covert—*Snap Hook.*



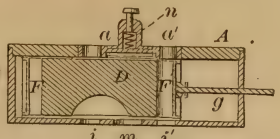
68711—J. W. Crannell—*Water Elevator.*



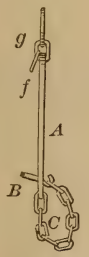
68712—C. Crook—*Expansible Hose Nozzle.*



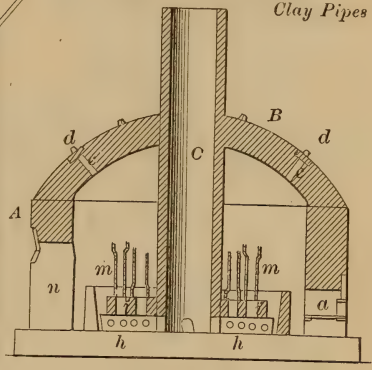
68713—W. Curry—*Slide Valve.*



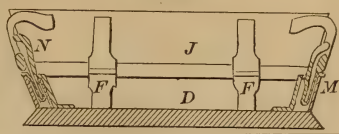
68714—P. W. Dalton—*For Hauling Hogs.*



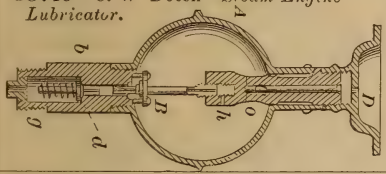
68716—J. Dimelow—*Kiln for Burning Clay Pipes*



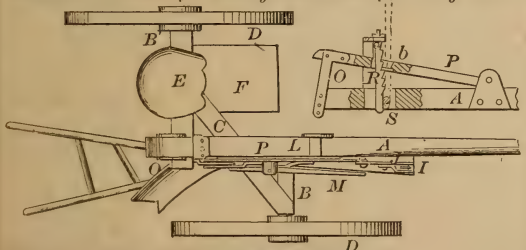
68717—C. Disser—*Shifting Rail for Buggy Seats.*



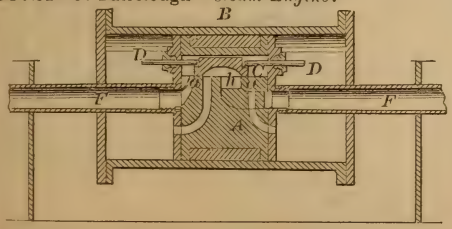
68719—C. W Doten—*Steam Engine Lubricator.*



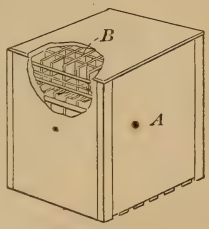
68718—L. Dominy—*Riding Attachment for Gang Plows.*



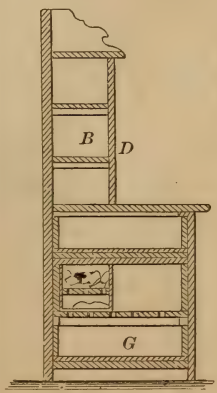
68721—J. Fairclough—*Steam Engine.*



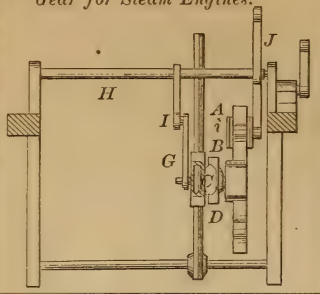
68722—H. T. Field—*Fruit Safe.*



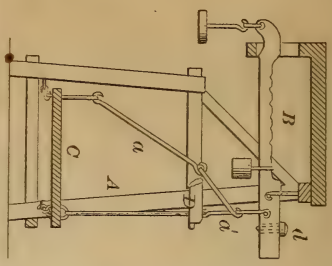
68723—J. F. M. Fifield—*Side Board and Refrigerator.*



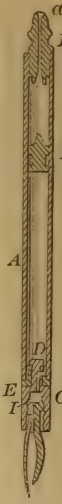
68724—J. R. Fish—*Valve Gear for Steam Engines.*



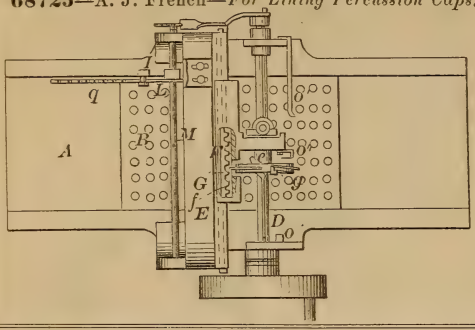
68728—C. E. Gage—*Weighing Scale.*

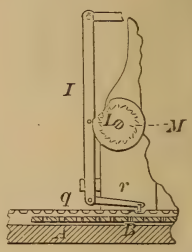


68727—P. Gabriel—*Fountain Pen Holder.*

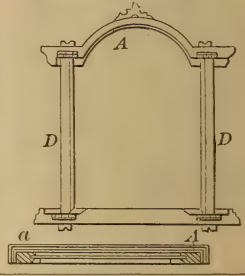


68725—A. J. French—*For Lining Percussion Caps.*

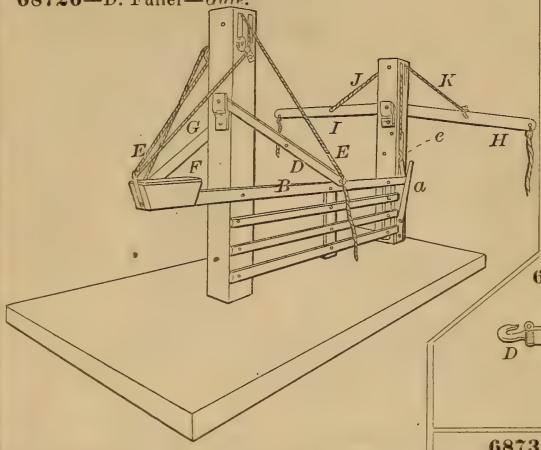




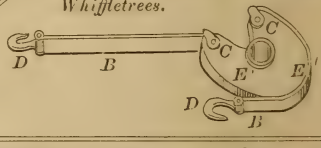
68730—O. L. Gardner—*Mirror Frame.*



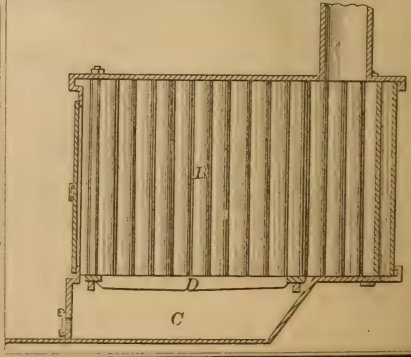
68726—D. Fuller—*Gate.*



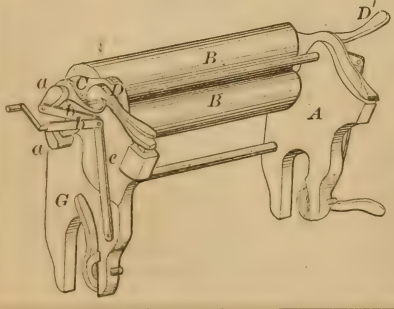
68729—M. Gally—*Evener for Whiffletrees.*



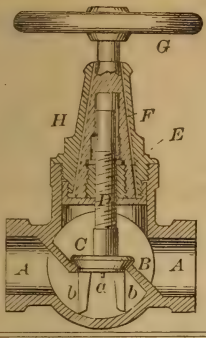
68731—F. Gilman—*Coal Stove.*



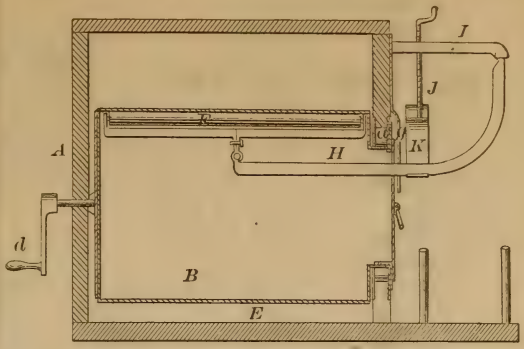
68732—F. A. Gleason—*Clothes Wringer.*



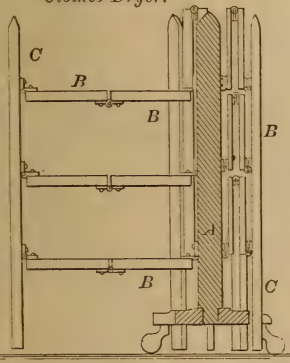
68733—G. L. Grant—*Steam Engine Valve.*

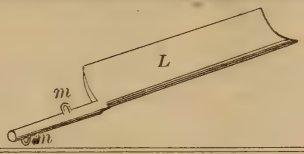


68734—J. Gray—*Ice Cream Freezer.*

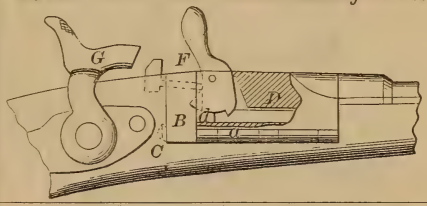


68735—J. Greenhalgh, Jr.—*Clothes Dryer.*

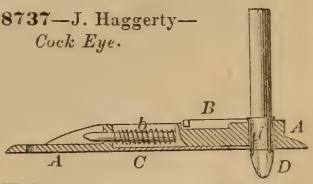




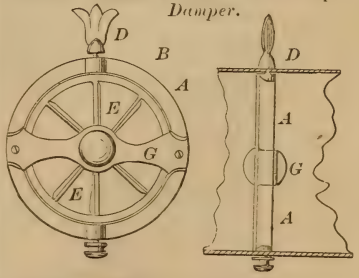
68736—E. F. Gunn—*Breech-Loading Fire Arm.*



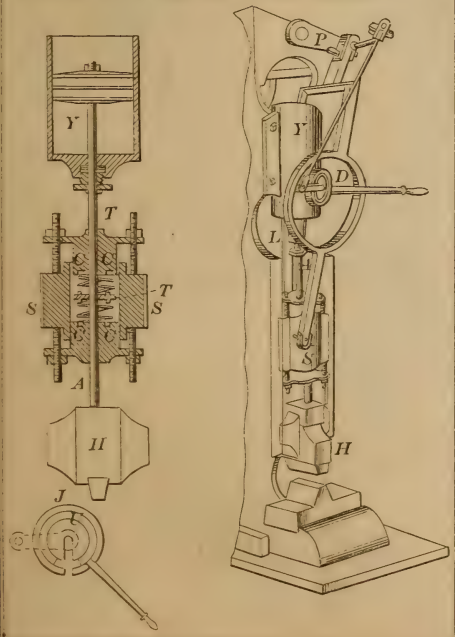
68737—J. Haggerty—*Cock Eye.*



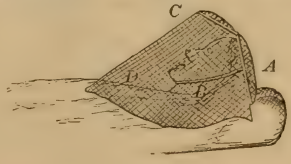
68738—Hailes & Finkle—*Stove Pipe Damper.*



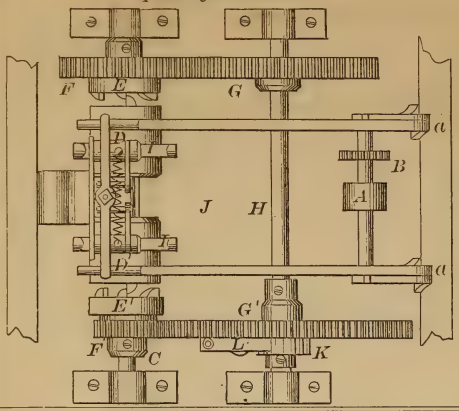
68740—T. B. Harrison—*Power Hammer.*



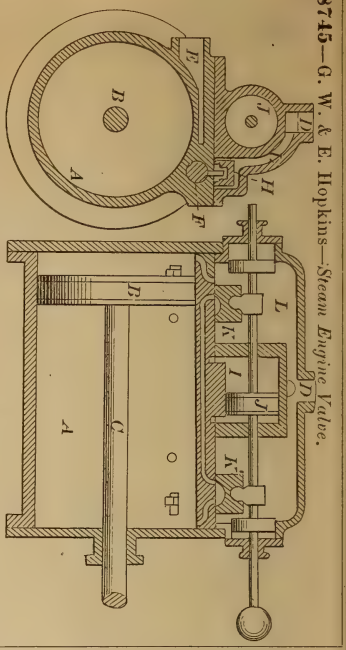
68739—H. Harris—*Mosquito Guard.*



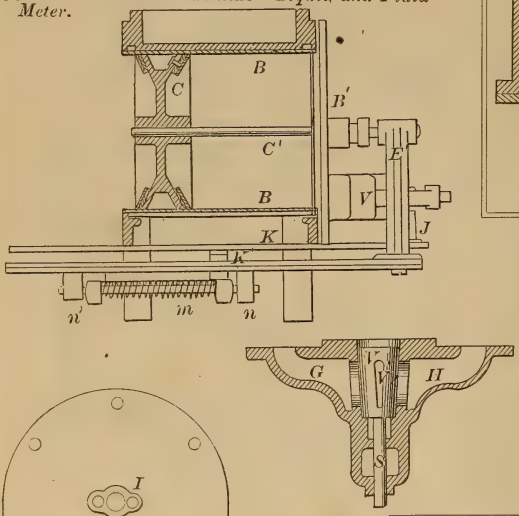
68741—C. Herrschaft—*Feed Regulator for Spinning Machines.*



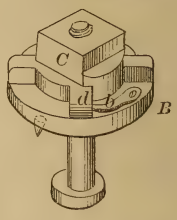
68745—G. W. & E. Hopkins—*Steam Engine Valve.*



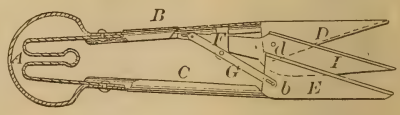
68746—Horton & Hawkins—*Liquid and Fluid Meter.*



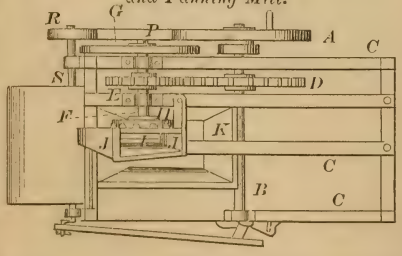
68742—G. G. Hickman—*Bolt Washer.*

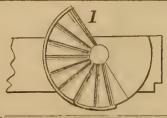


68743—G. Hilgar—*Sheep Shears.*

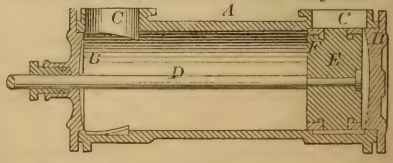


68744—Hoagland & Moser—*Corn Sheller and Fanning Mill.*

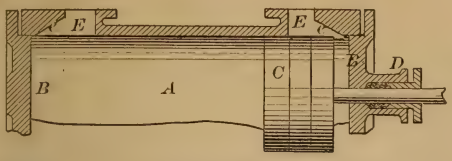




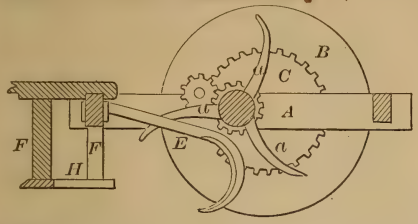
68747—S. W. Hudson—*Steam Engine.*



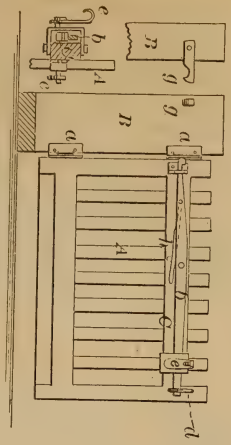
68748—S. W. Hudson—*Steam Engine.*



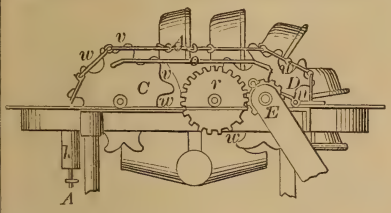
68749—A. Hunt—*Cornstalk Cutter.*

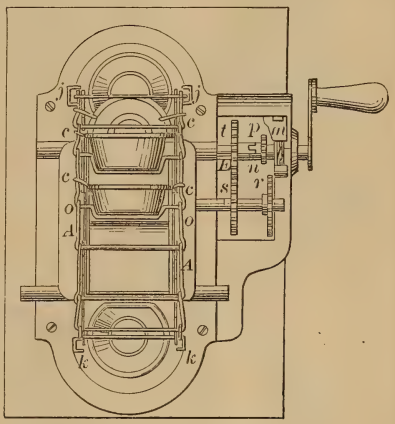


68752—W. Kimble—*Gate Fastening.*



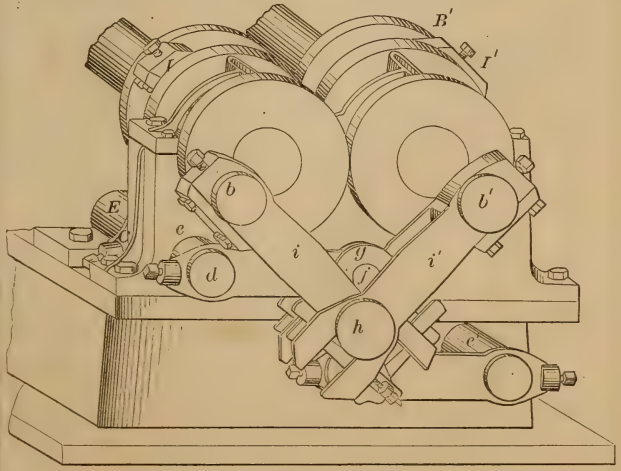
68753—A. H. Knapp—*Water Elevator.*



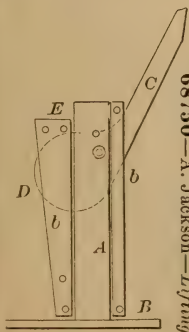


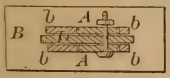
68751—T. B. James—*Window Shade.*

68754—G. H. Knight—*Mechanical Movement.*

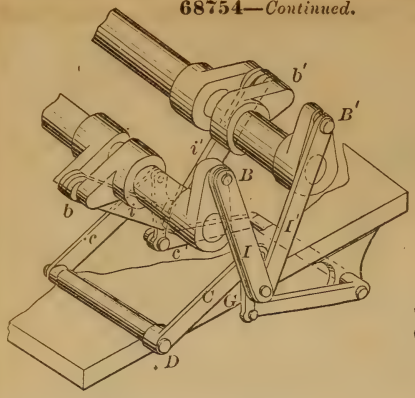


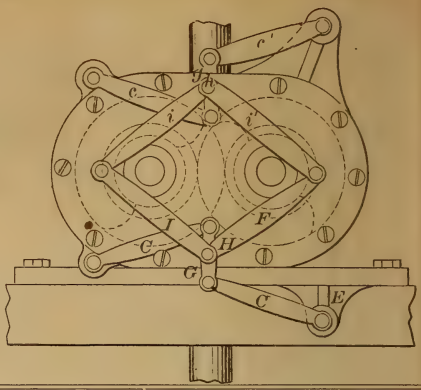
68750—A. Jackson—*Lifting Jack.*



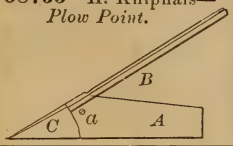


68754—*Continued.*

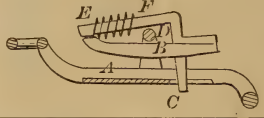




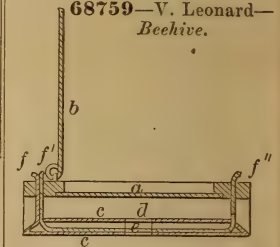
68755—H. Kniphals—*Plow Point.*



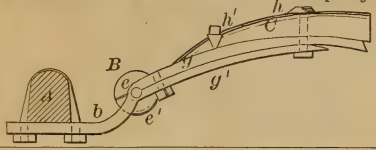
68756—E. T. Lacy—*Trace Buckle.*



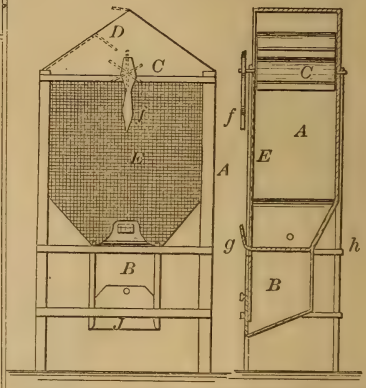
68759—V. Leonard—*Beehive.*



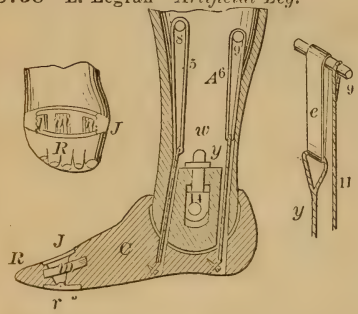
68757—C. C. Lawrence—*Thill Coupling.*



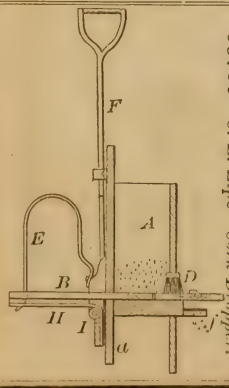
68761—N. M. Lurton—*Grain Measure.*



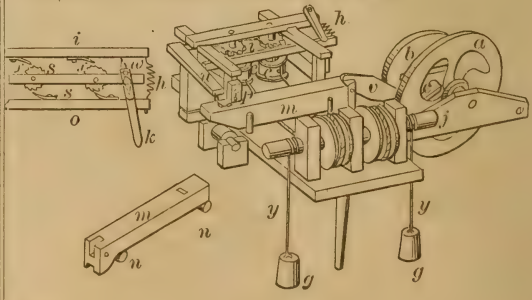
68758—L. Legran—*Artificial Leg.*



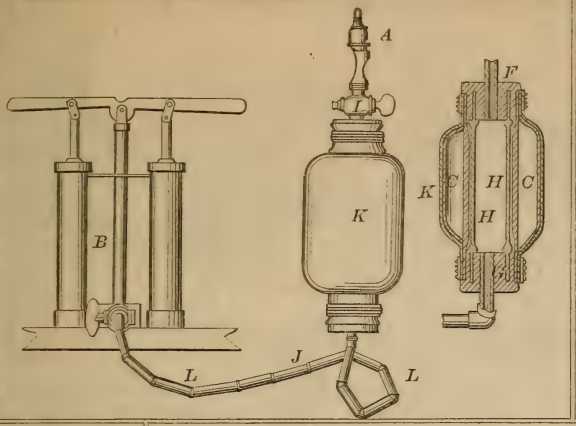
68760—C. E. Lipe—*Corn Dropper.*



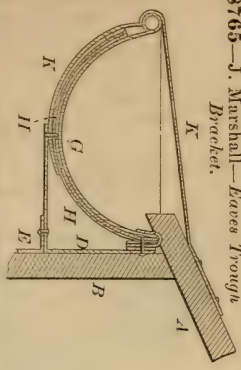
68762—J. P. Luther—*For Rolling Whips.*



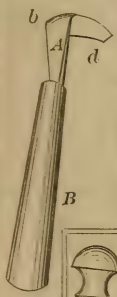
68763—J. C. Lyons—*Foy Alarm.*



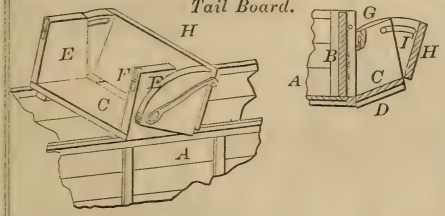
68765—J. Marshall—*Eaves Trough Bracket.*



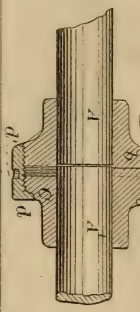
68764—C. Mahan—*Hoe.*



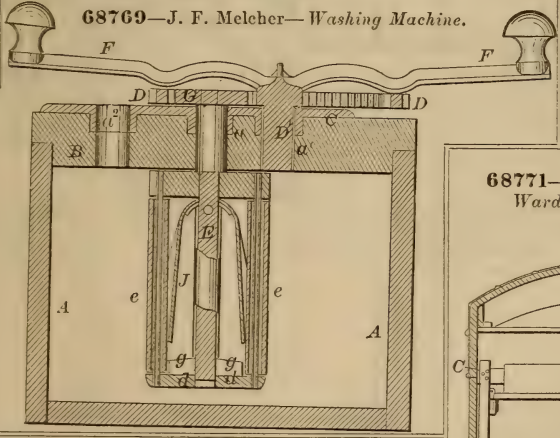
68766—C. Matheny—*Wagon Seat, Manger and Tail Board.*



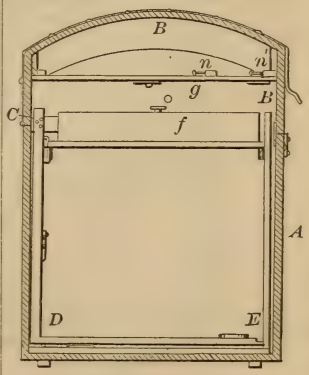
68768—W. S. McKinney—*Shaft Coupling.*



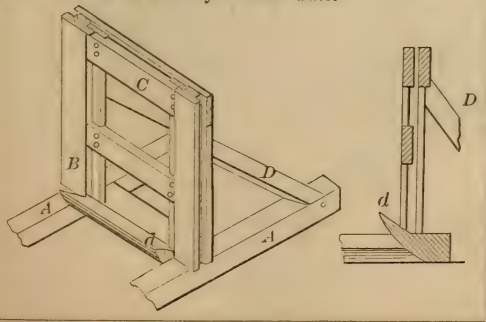
68769—J. F. Melcher—*Washing Machine.*



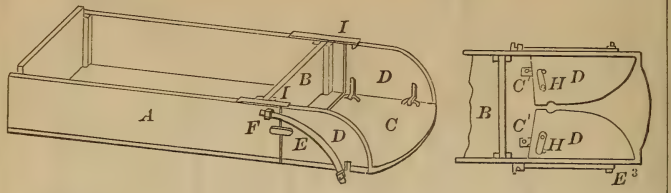
68771—C. Memmert—*Wardrobe Trunk.*



68767—C. B. McKinney—*Flood Gate.*

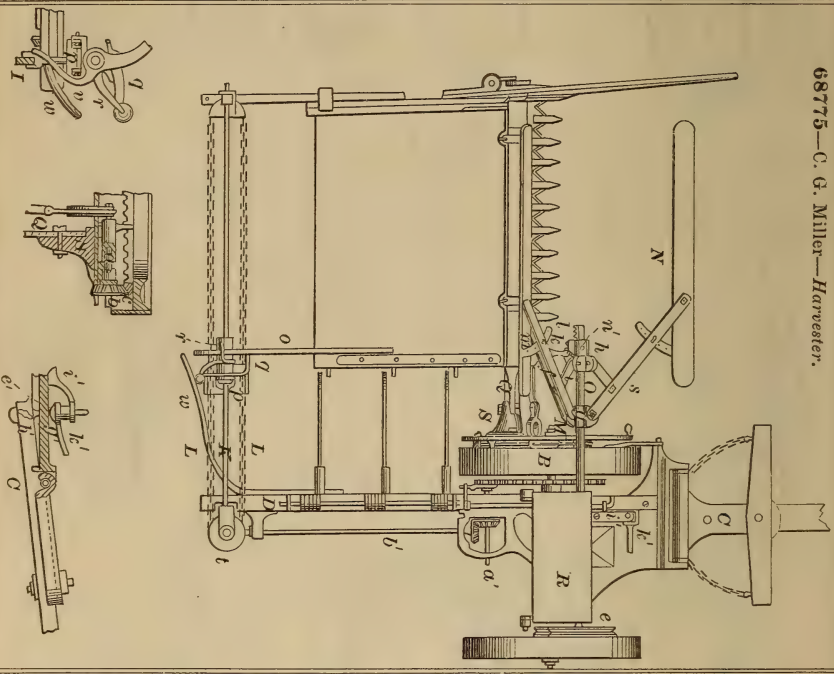


68772—Meredith & Mulligan—*Extension Bed for Farm Wagons.*

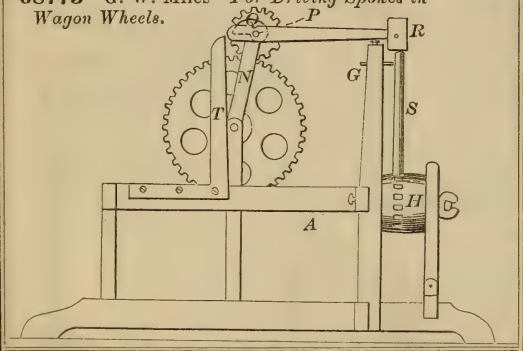


68774—R. E. Miles—*Breast Collar.*

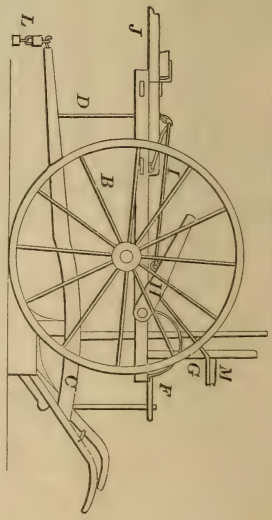
68775—C. G. Miller—*Harvester.*



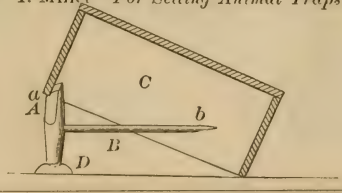
68773—G. W. Miles—*For Driving Spokes in Wagon Wheels.*



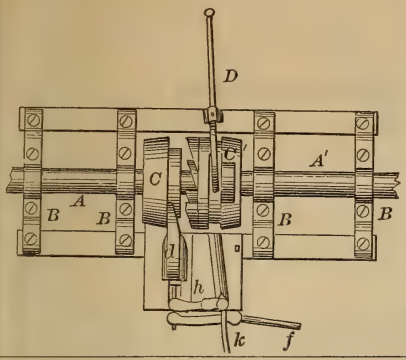
68777—H. Minuse—*Carriage Plow.*



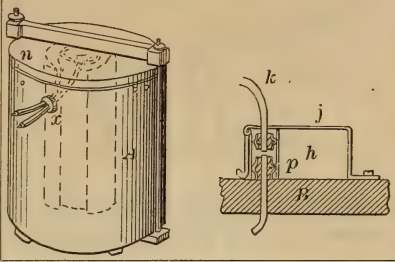
68776—I. Miller—*For Setting Animal Traps.*



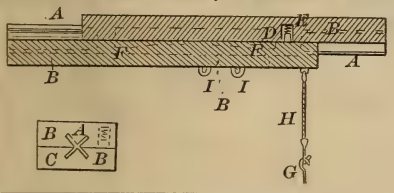
68778—Nevergold & Brosey—*Shaft Coupling.*



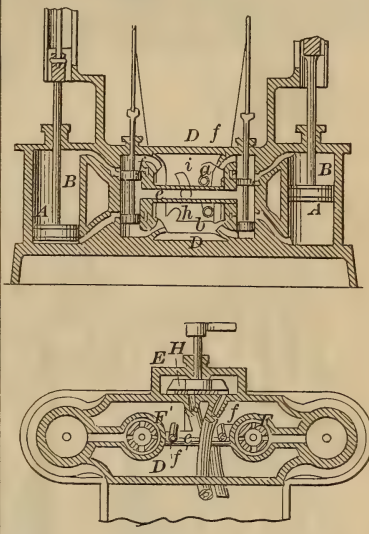
68779—G. W. Nichols—*Insulation of Telegraph Lines.*



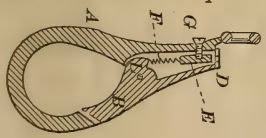
68782—H. Olds—*Slide for Extension Tables.*

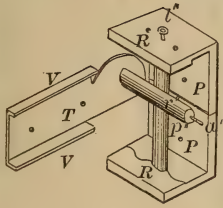


68783—C. R. & N. P. Otis—*Steam Engine Valve.*

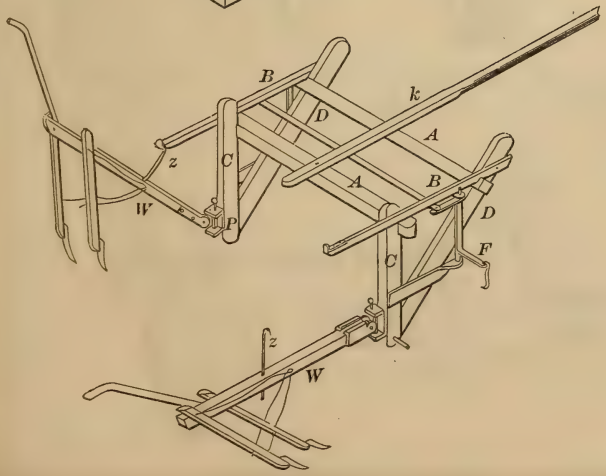


68781—H. S. North—*Snap Hook.*

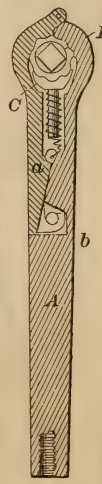




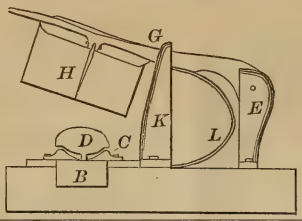
68784—I. A. Palmer—*Cultivator.*



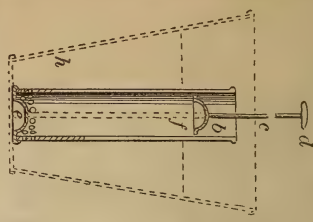
68780—R. Nickson—*Carriage Joint.*



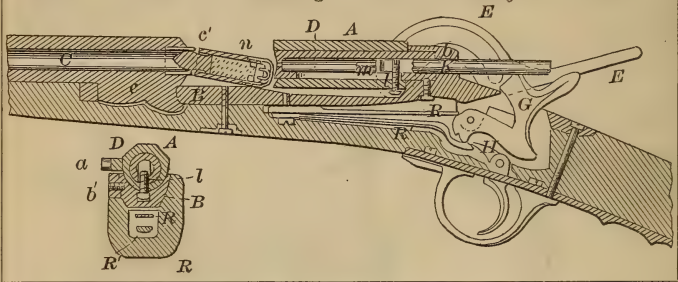
68785—H. Peterson—*Cigar Gauge and Butt Cutter.*



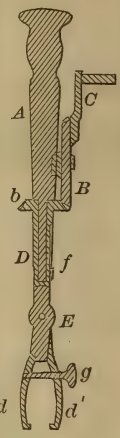
68788—E. L. Pratt—*For Aerating Liquids.*



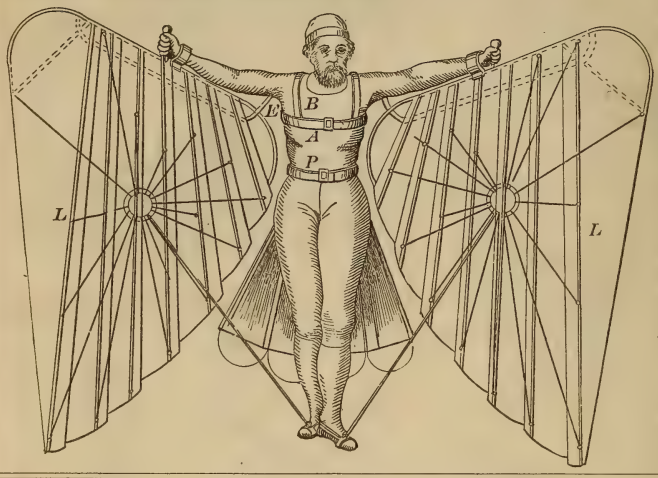
68786—Pidault & Elieze dit Lagieze—*Breech-Loading Fire Arm.*



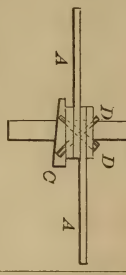
68787—C. T. Poulton—*Wrench.*



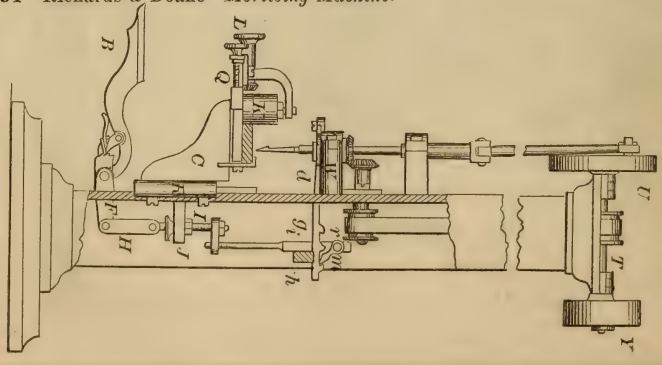
68789—W. F. Quinby—*Flying Apparatus.*



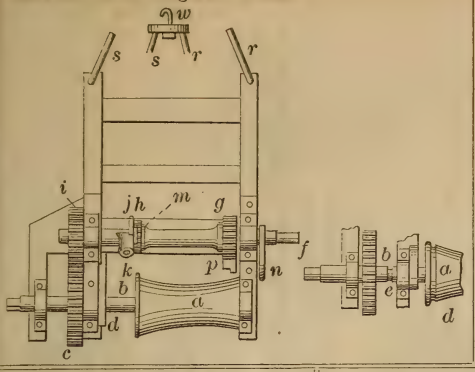
68790—T. D. Read—*Fence.*



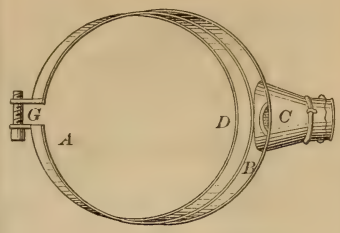
68791—Richards & Doane—*Mortising Machine.*



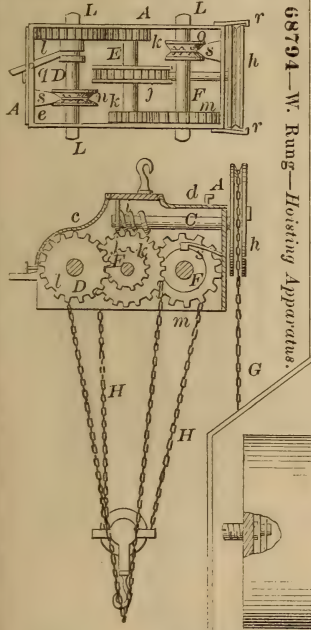
68792—R. D. Rogers—*Winch.*



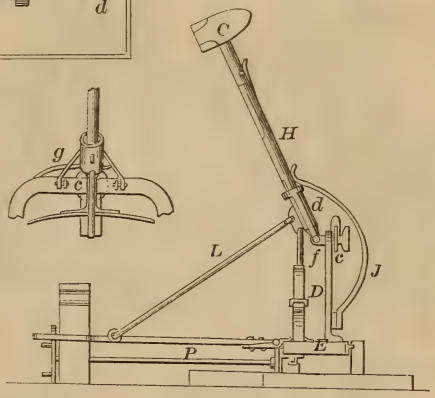
68793—W. F. Rossman—*Milk Strainer.*



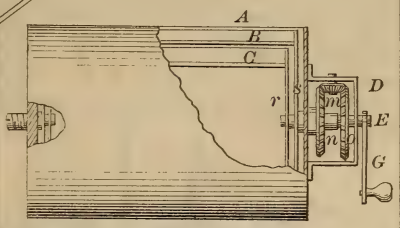
68794—W. Rung—*Hoisting Apparatus.*



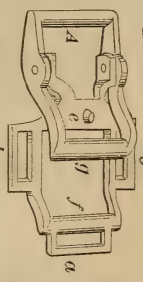
68797—Scott & Clarridge—*Power Hammer.*



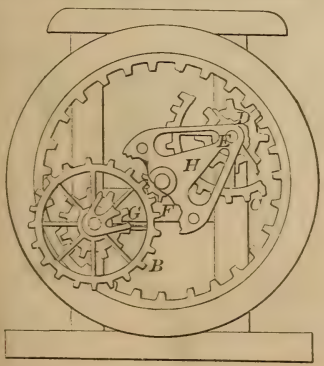
68798—L. W. Shaeffer—*Churn.*

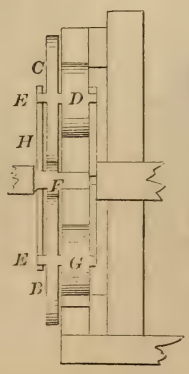


68796—C. Schwaner—*Trace Buckle.*

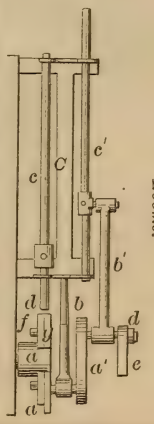


68799—J. Shickel—*Mill Gearing.*

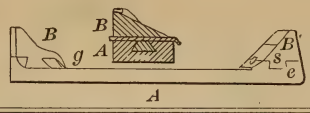




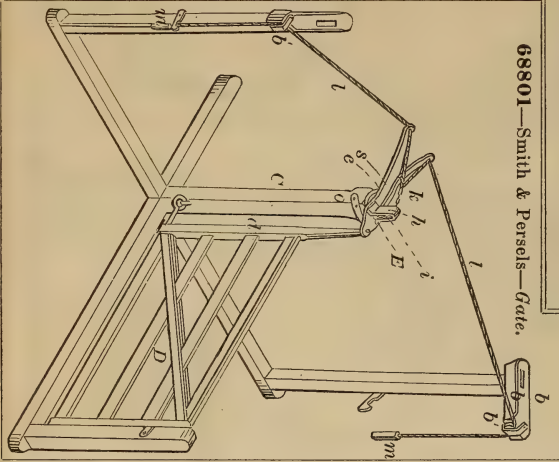
68795—C. Schilling—*Harness Motion for Looms.*



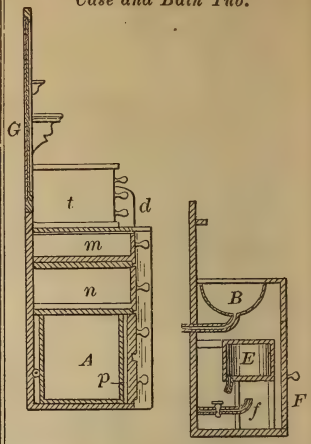
68800—W. H. Shurtleff—*Horse Shoe.*



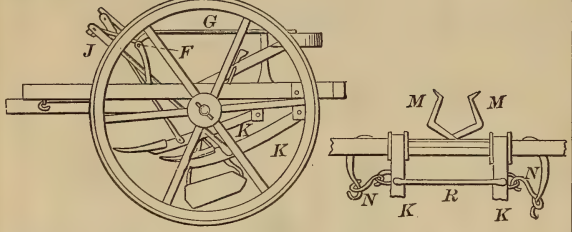
68801—Smith & Persels—*Gate.*



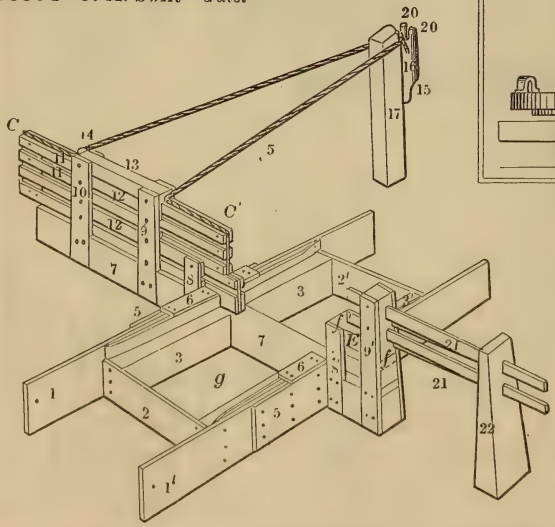
68802—C. A. Staples—*Dressing Case and Bath Tub.*



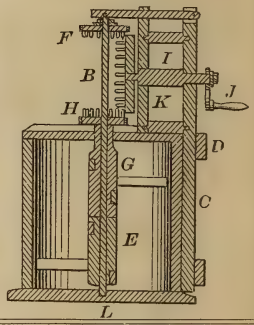
68803—M. Sweet—*Cultivator.*



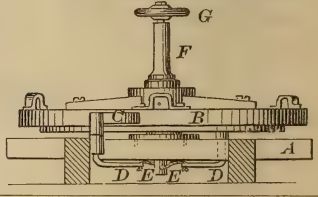
68804—J. M. Swift—*Gate.*



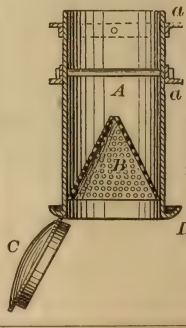
68805—J. G. Taylor—*Churn.*



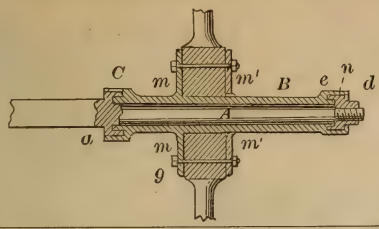
68806—A. D. Tingley—*Brake for Horse Power.*



68807—O. S. Trexler—*Ventilating Device.*

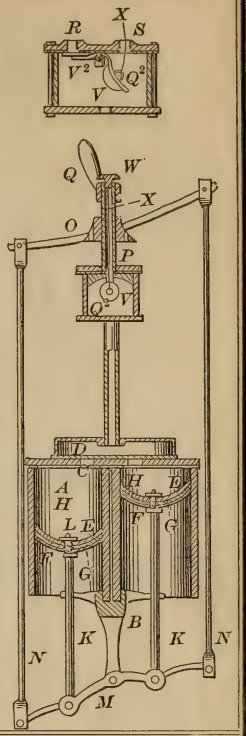


68808—W. C. Tucker—*Wagon Hub.*

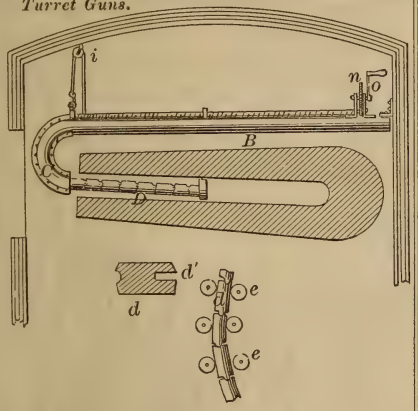


68811—F. Van Doren—*Skid and Friction Roller.*

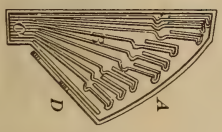
68810—H. Tyler—*Pump.*



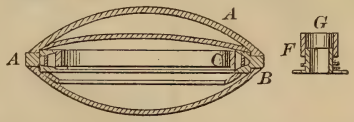
68813—J. B. Walker—*Flexible Rammer for Turret Guns.*



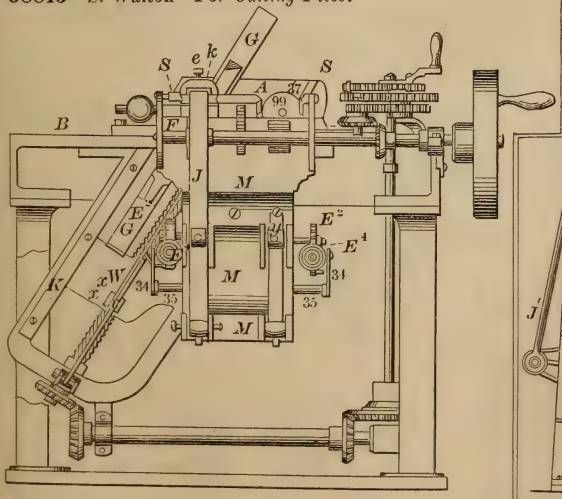
68809—G. L. Turney—*Papering Pins.*



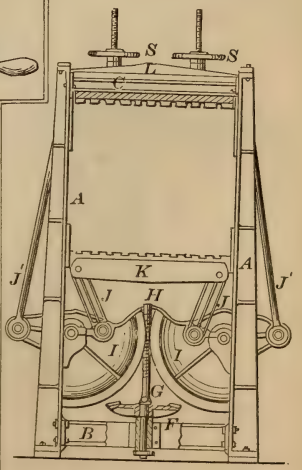
68814—N. B. Wallace—*Watch.*



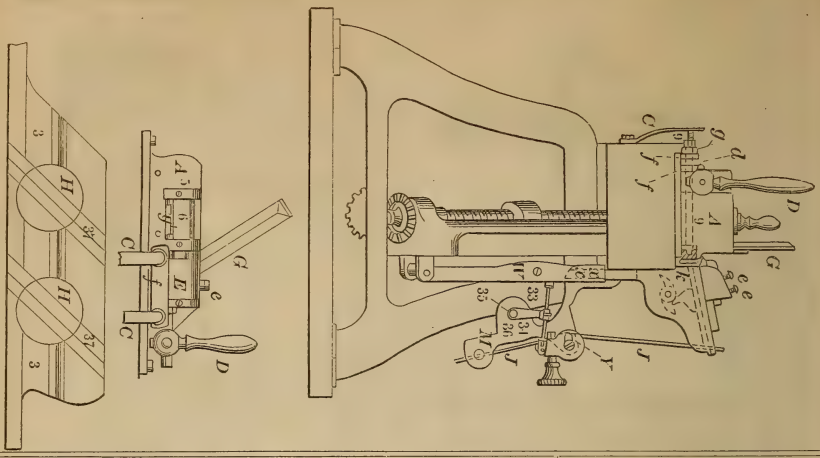
68815—S. Walton—*For Cutting Files.*



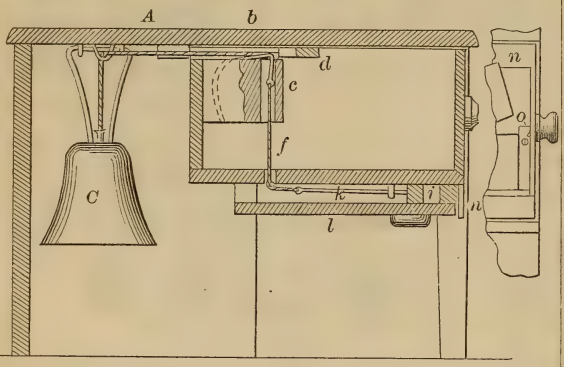
68812—C. P. Wagner—*Press.*



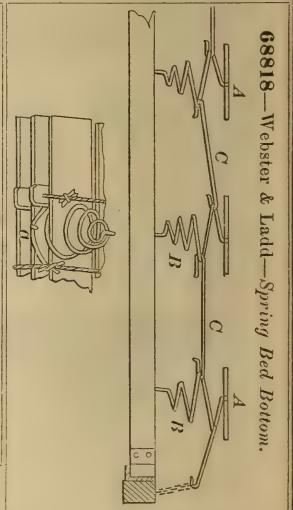
68815—*Continued.*



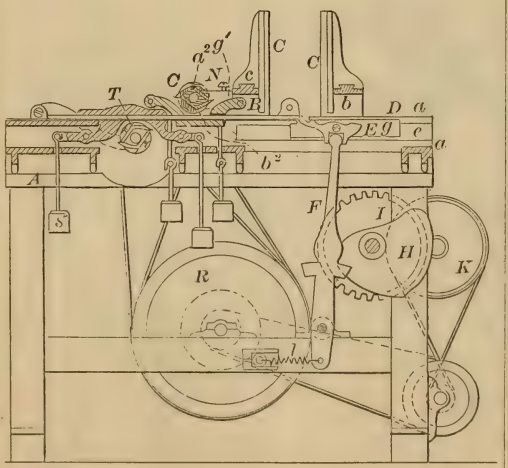
68816—J. H. Weaver—*Lock for Money Drawers.*



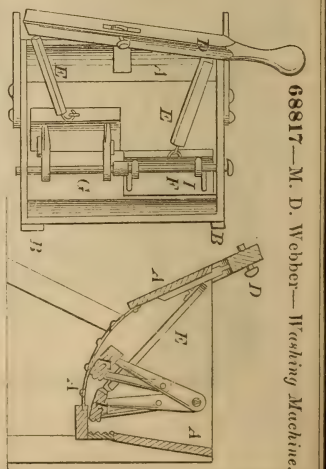
68818—Webster & Ladd—*Spring Bed Bottom.*



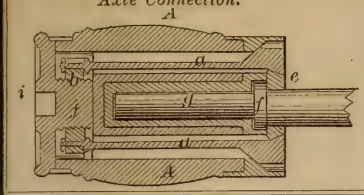
68819—E. Weissenborn—*For Making Lead Pencils.*



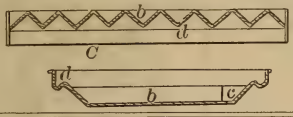
68817—M. D. Webber—*Washing Machine.*



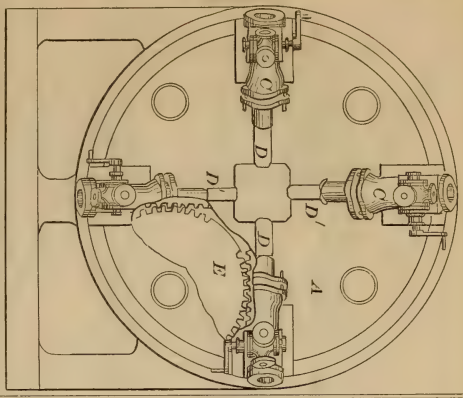
68820—J. F. Welch—*Wheel and Axle Connection.*



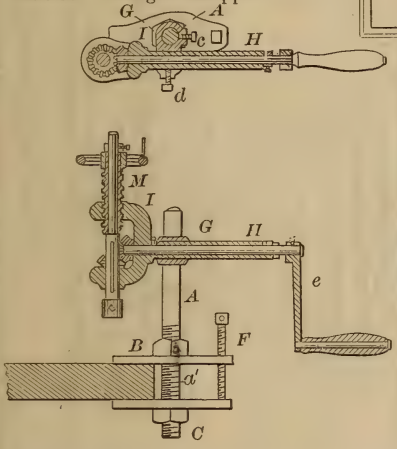
68821—N. Willey—*Evaporating Pan.*



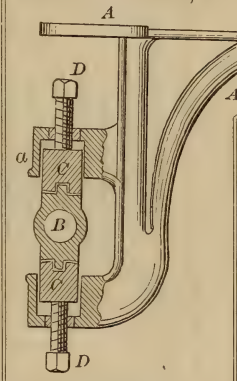
68824—Wrightington & Rider—*Horse Shoe Nail Machine.*



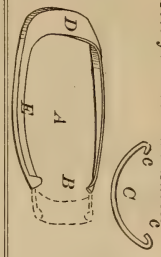
68827—Young & Whipple—*Drill.*



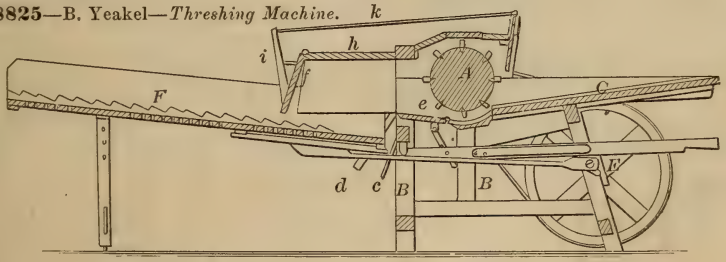
68826—J. Yocom, Jr.—*Hanger for Shafting.*



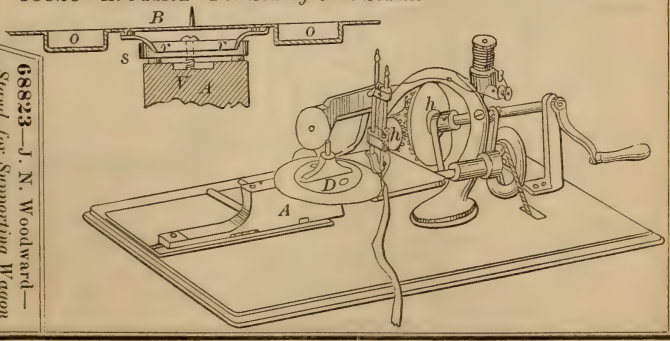
68822—E. W. Woodruff—*Over Sole for Boots and Shoes.*



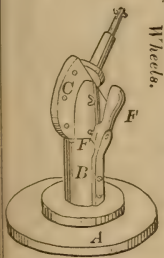
68825—B. Yeakel—*Threshing Machine.*



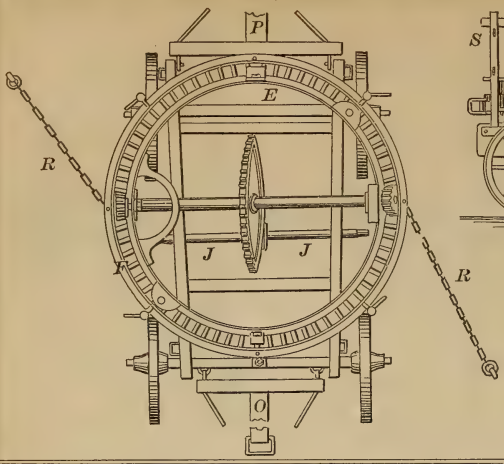
68828—A. Judson—*For Sewing Oval Seams.*

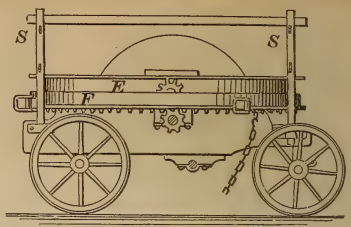


68823—J. N. Woodward—*Stand for Supporting Wagon Wheels.*

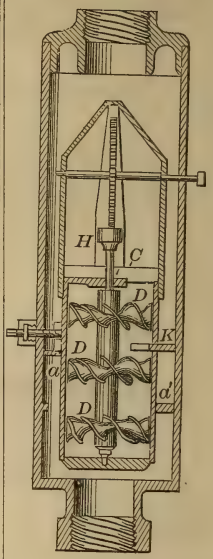


68829—H. Aldridge—*Portable Horse Power*

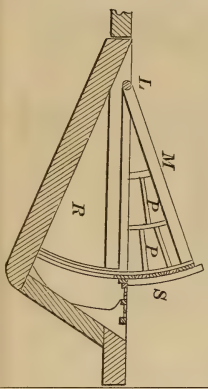


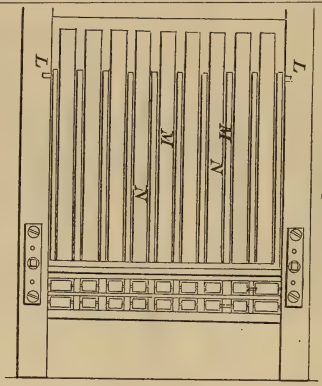


68830—R. H. Atwell—*Liquid Meter.*

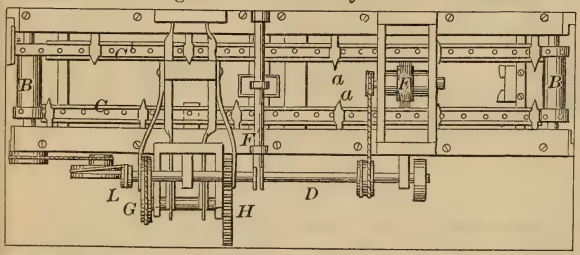


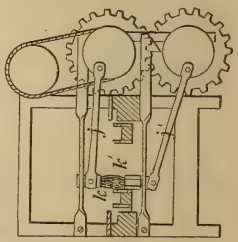
68833—M. Bishop—*Canal Lock.*



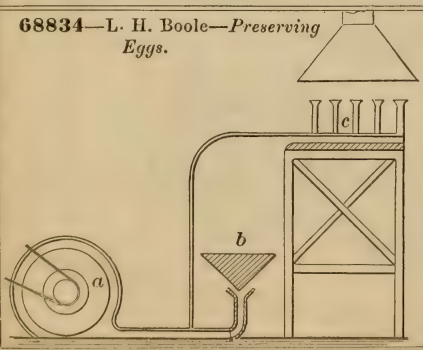


68832—A. E. Bigelow—*For Dressing Weavers' Harness.*

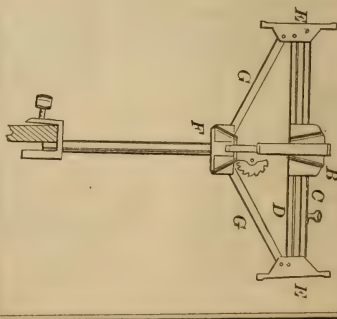




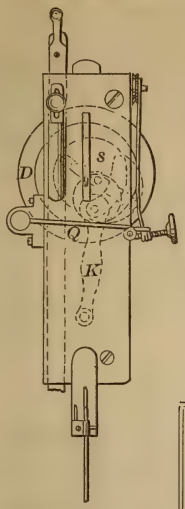
68834—L. H. Boole—*Preserving Eggs.*



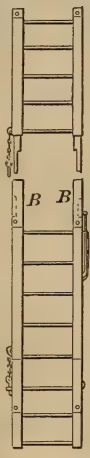
68831—F. A. Baloh—*Reel.*

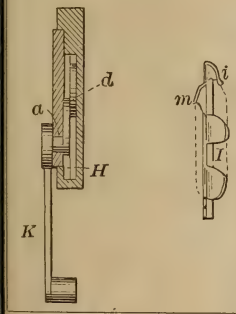


68835—C. F. Bosworth—*Sewing Machine.*

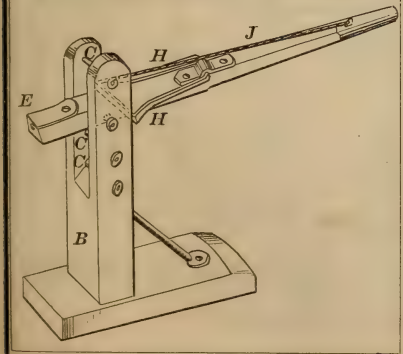


68836—M. D. Boyd—*Ladder.*

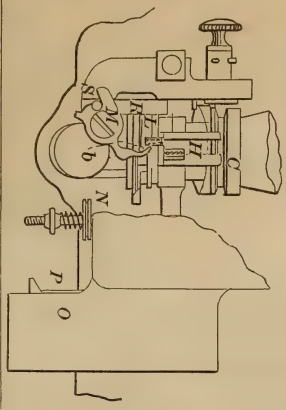


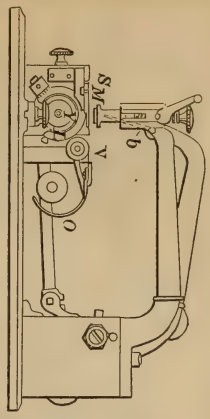


68837—A. C. Brinser—*Lifting Jack.*

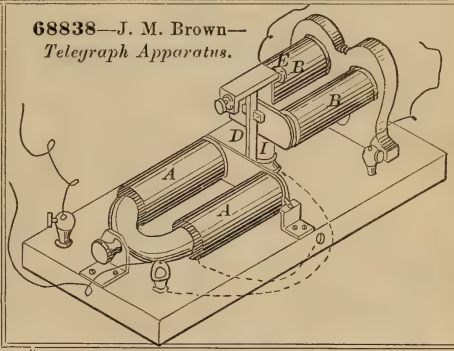


68839—L. B. Bruen—*Sewing Machine.*

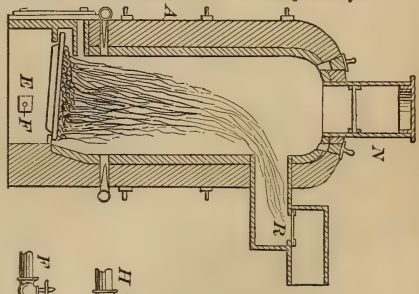


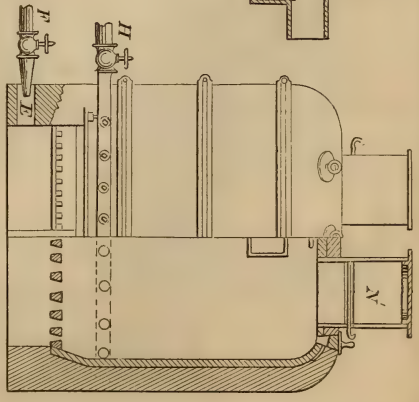


68838—J. M. Brown—*Telegraph Apparatus.*

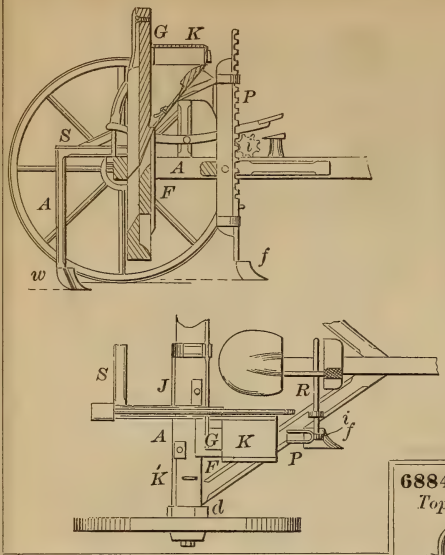


68840—J. H. Burgin—*Producing Gas for Fuel.*

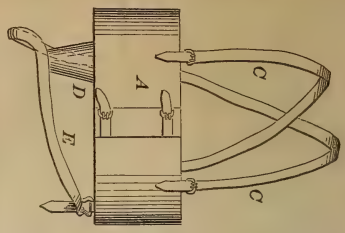




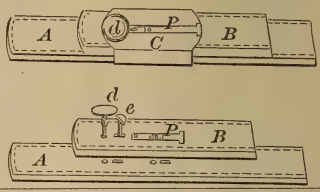
68841—R. & J. L. Cassaday—*Corn Planter.*



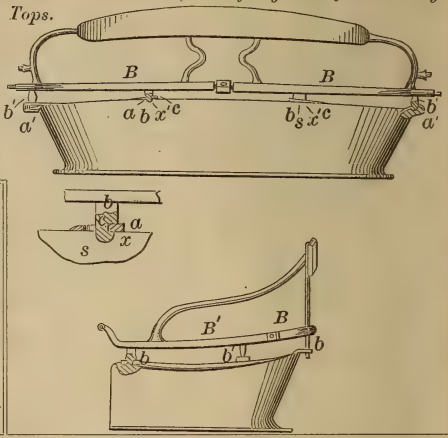
68842—R. H. Champlin—*Truss.*



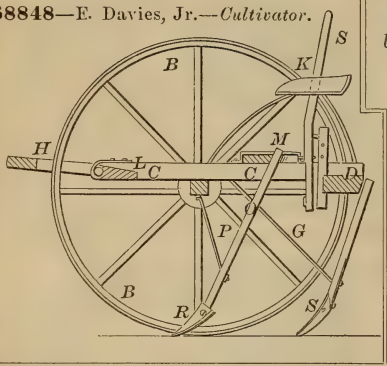
68846—W. H. Cocks—*Harness Buckle.*



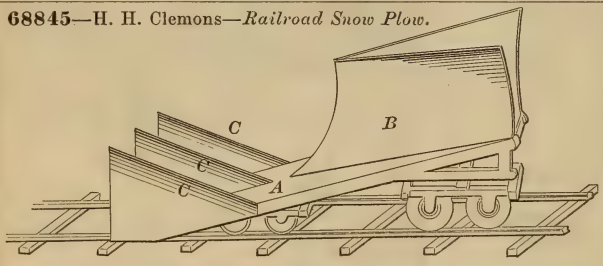
68843—P. G. Clancy—*Shifting Rail for Carriage Tops.*



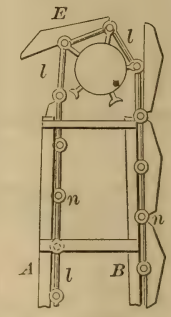
68848—E. Davies, Jr.—*Cultivator.*



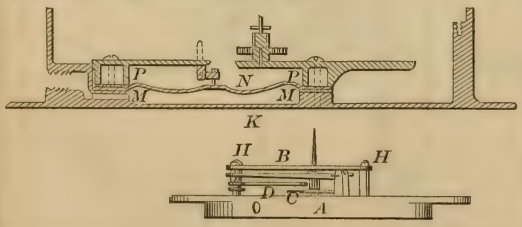
68845—H. H. Clemons—*Railroad Snow Plow.*



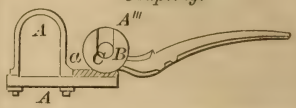
68847—P. K. Curll—*Water Elevator.*



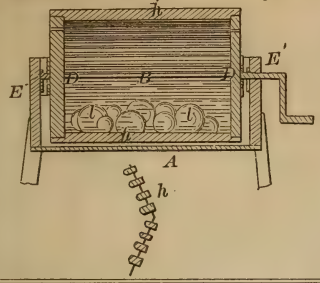
68849—G. M. Davis—*Steam Gauge.*



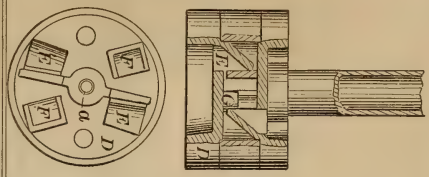
68844—L. C. Clark—*Thill Coupling.*



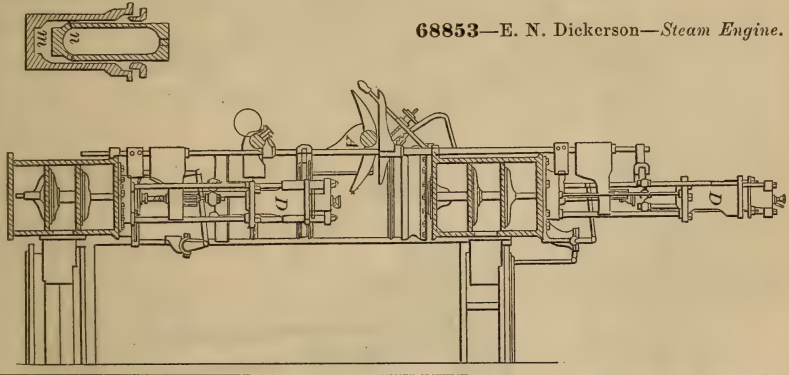
68851—A. Denison—*Washing Machine.*



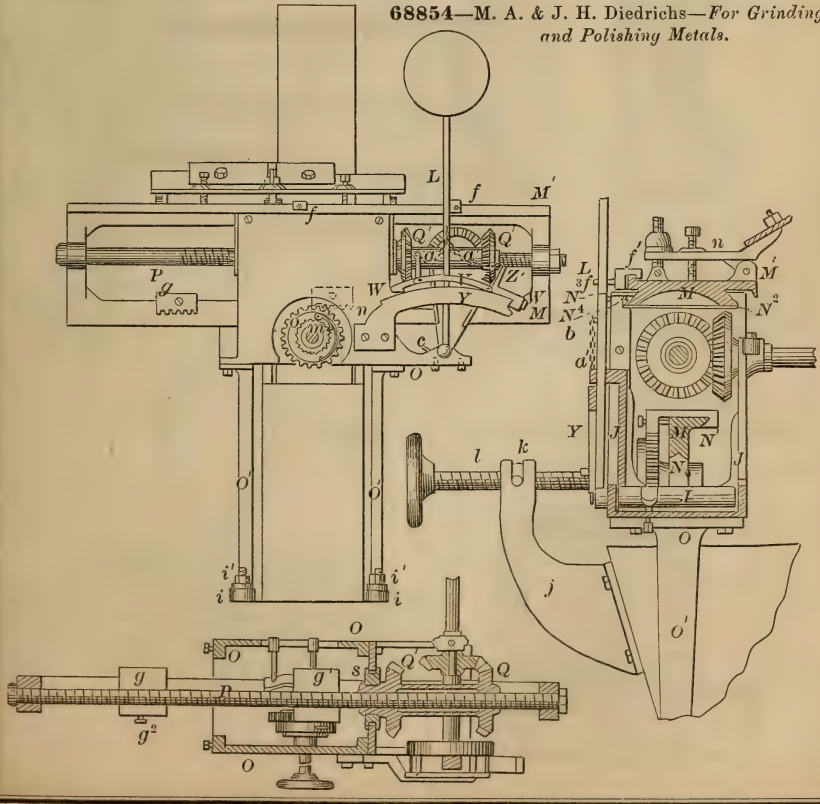
68852—W. E. Derrick—*Pump Piston.*



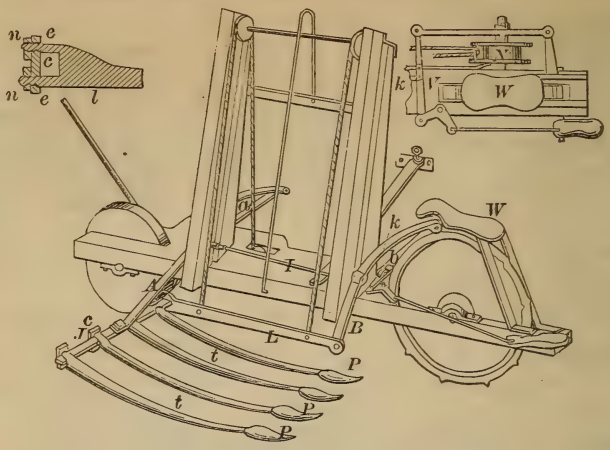
68853—E. N. Dickerson—*Steam Engine.*



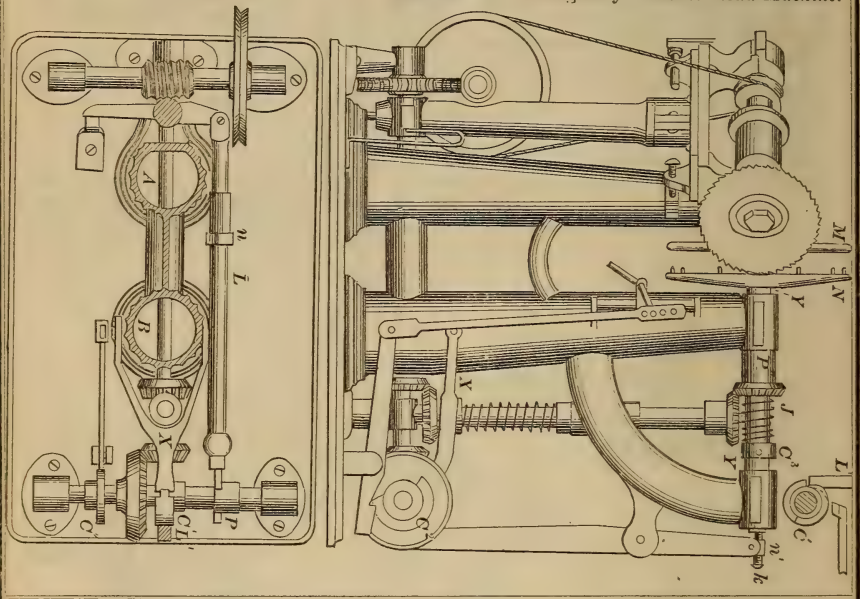
68854—M. A. & J. H. Diedrichs—*For Grinding and Polishing Metals.*



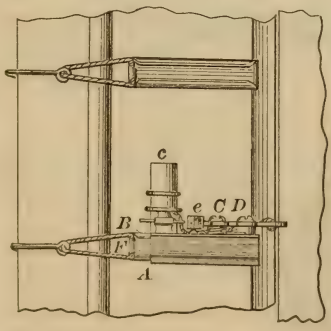
68855—M. A. Dilley—*Hay Loader.*



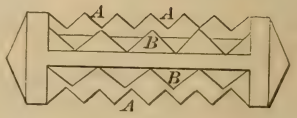
68856—J. B. Dougherty—*Barrel Head Machine.*



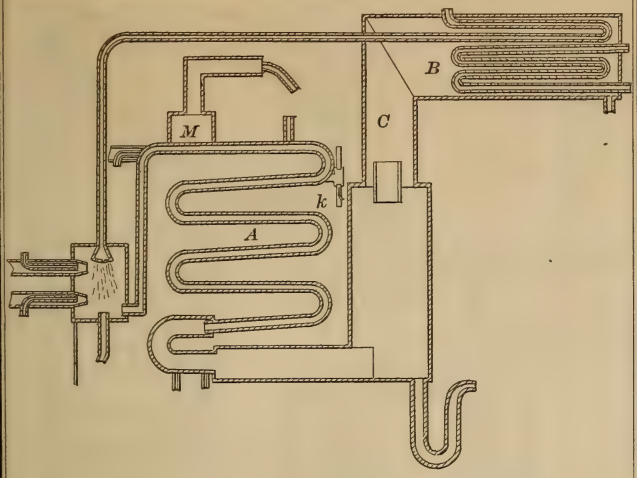
68857—C. A. Eaton—*Burglar Alarm.*



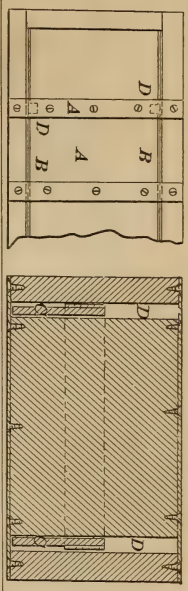
68859—N. T. Edson—*Cotton Bale Tie.*



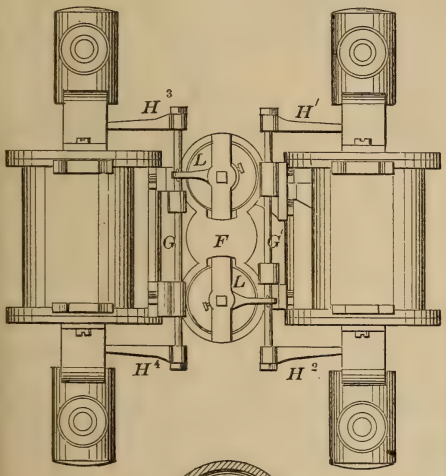
68860—Ellis & Kattell—*For Distilling and Refining Oils, &c.*

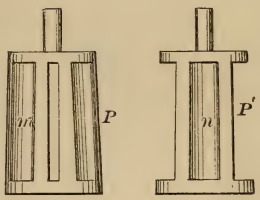


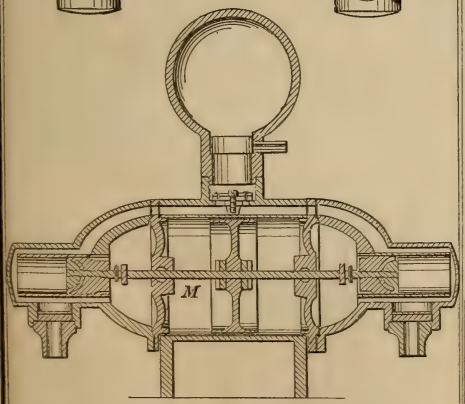
68862—J. Evans—*Brick Mould.*



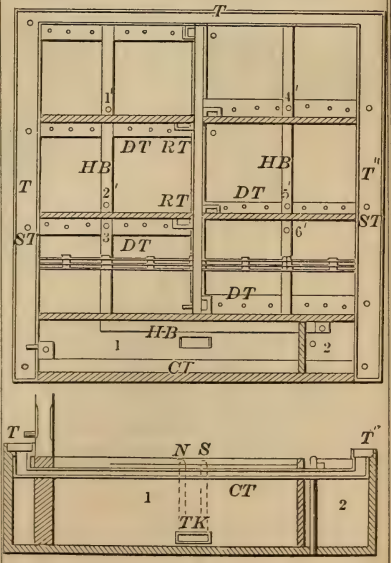
68863—M. Everett—*Hydraulic Engine.*





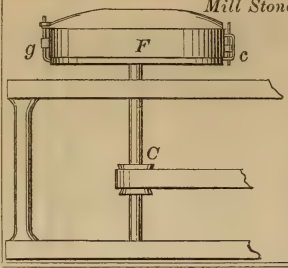


68861—L. C. England—*Tannery.*

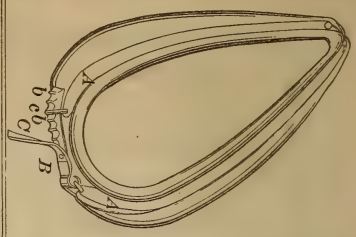


68864—O. Finch—*Trace Buckle.*

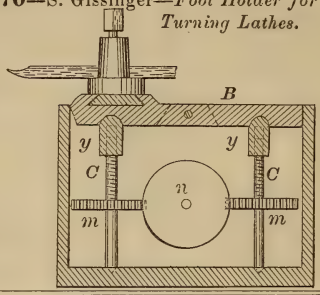
68865—J. Foley—*Balancing Mill Stone.*



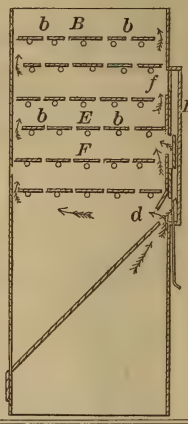
68866—A. J. Foster—*Hame Fastener.*



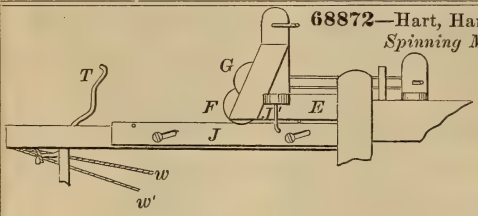
68870—S. Gissinger—*Foot Holder for Turning Lathes.*

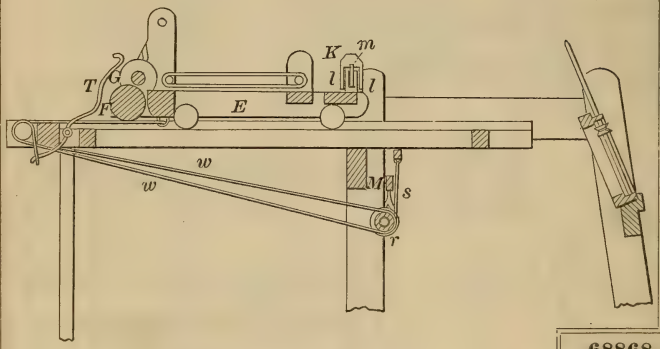


68869—J. Geenen—*Malt Kiln.*

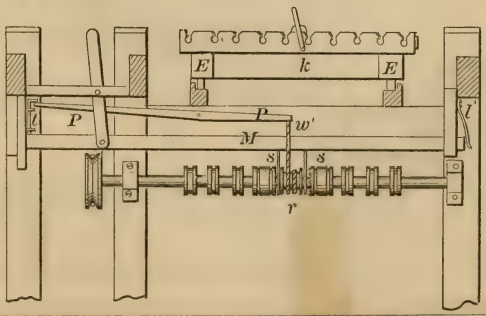


68872—Hart, Hart & Reesman—*Spinning Machine.*

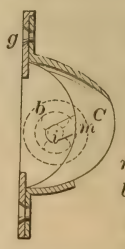




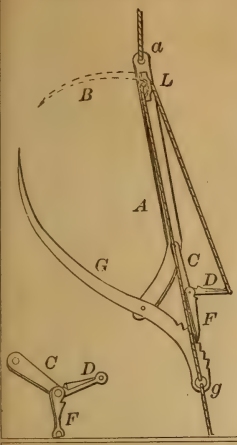
68871—S. Green—*For Hatching the Spawn of Fishes.*



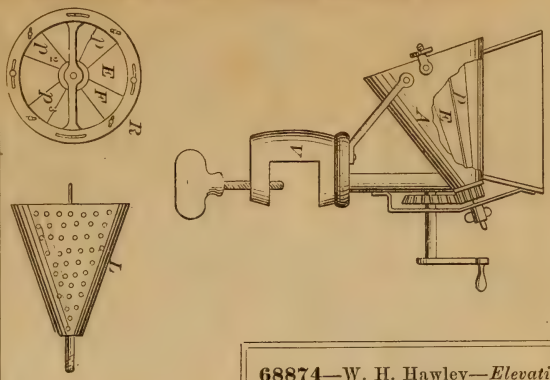
68868—O. S. Garretson—*Window Pulley.*



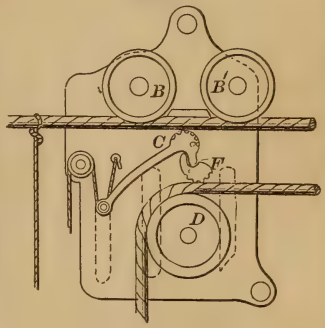
68873—L. Haverstick—*Horse Hay Fork.*



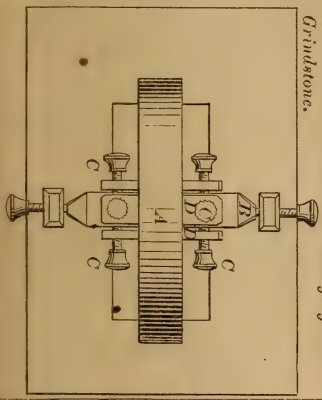
68877—T. G. Höfer—*Vegetable Slicer and Grater.*



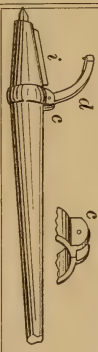
68874—W. H. Hawley—*Elevating Block.*



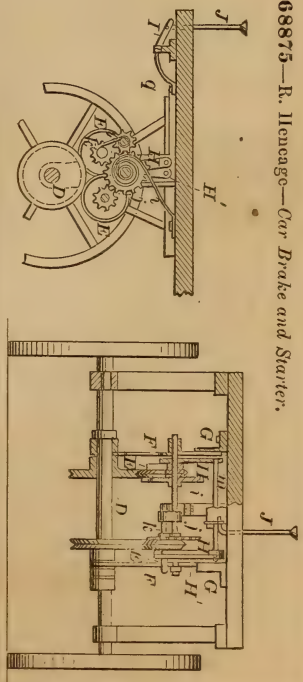
68876—D. B. Herrington—*Hanging Grindstone.*



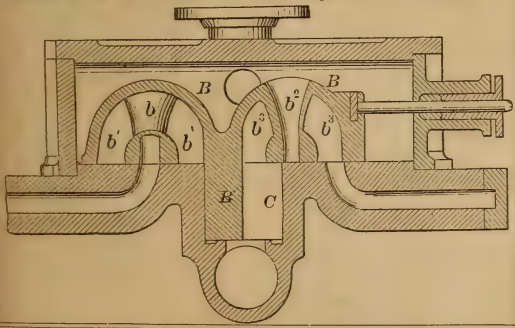
68878—J. A. Howe—*Cant Hook.*



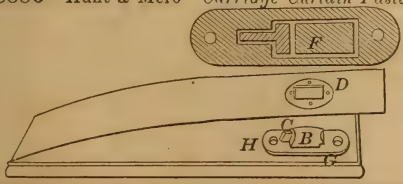
68875—R. Henegage—*Car Brake and Starter.*



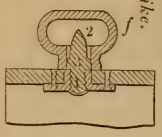
68879—S. W. Hudson—*Steam Engine Slide Valve.*



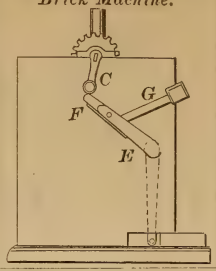
68880—Hunt & Mero—*Carriage Curtain Fastener.*



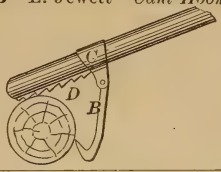
68881—R. Hutchison—*Slot Spike.*



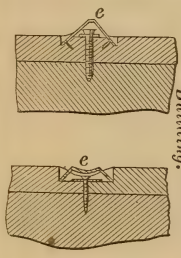
68882—G. W. Ives—*Brick Machine.*



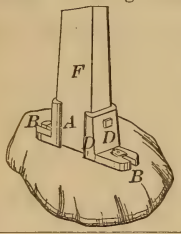
68883—E. Jewett—*Cant Hook.*

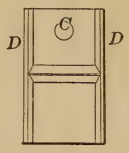


68884—Johnson & Davis—*Building.*

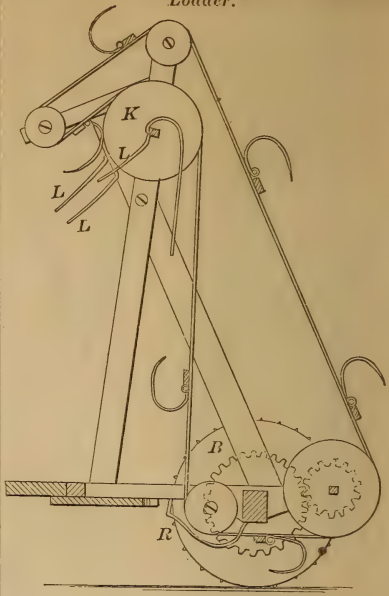


68886—E. King—*Clamping Device.*

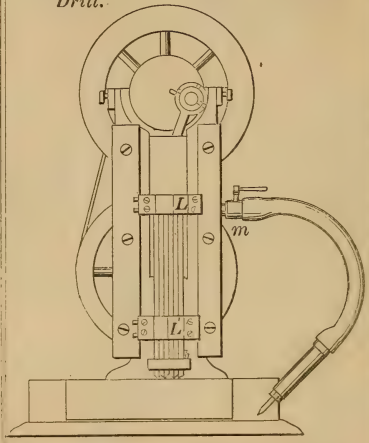




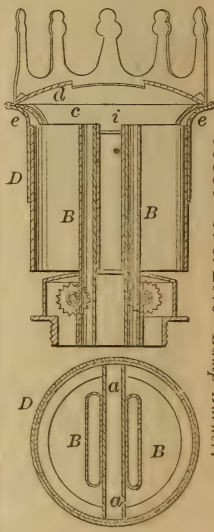
68887—Kinyon & Smith—*Hay Raker and Loader.*



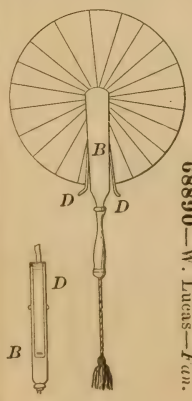
68888—E. G. Lamson—*Operating Drill.*



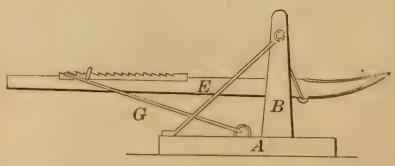
68889—J. C. Love—*Lamp Burner.*

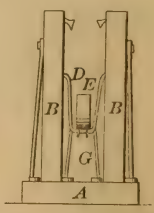


68890—W. Lucas—*Fan.*

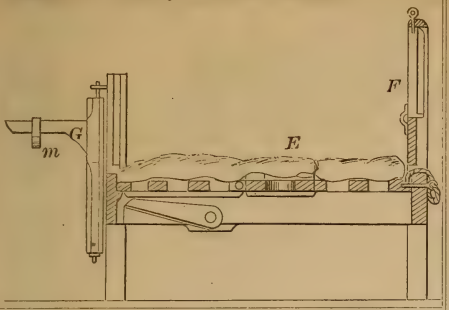


68891—E. L. Marsh—*Lifting Jack.*

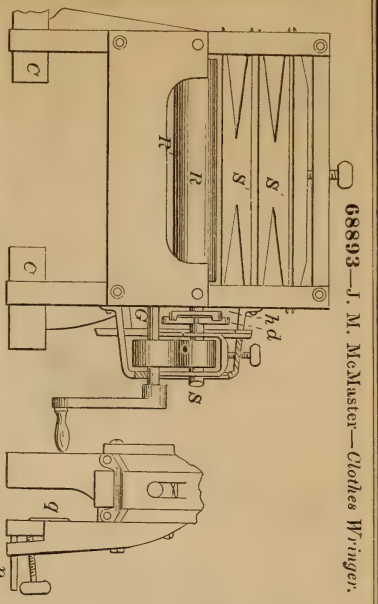




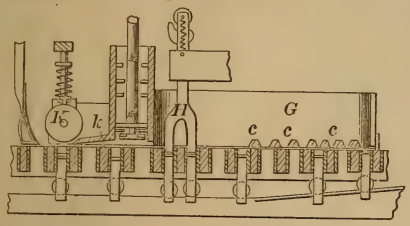
68892—J. Massey—*Invalid Bedstead.*



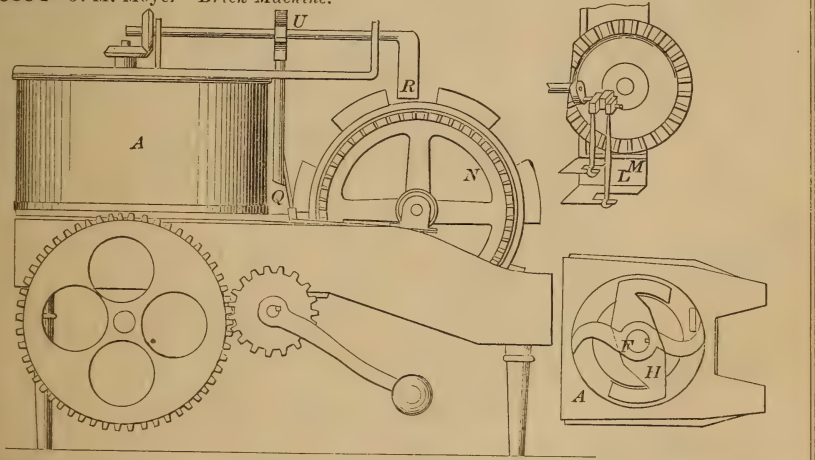
68893—J. M. McMaster—*Clothes Wringer.*



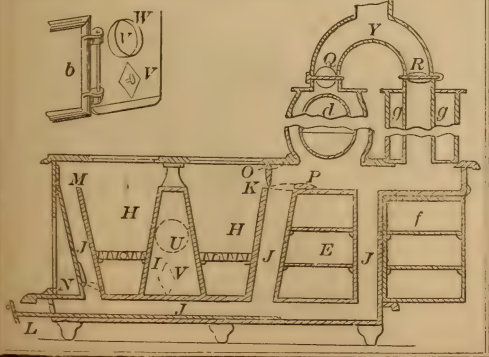
68896—C. D. Page—*Brick Press.*



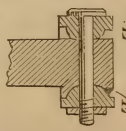
68894—J. M. Moyer—*Brick Machine.*



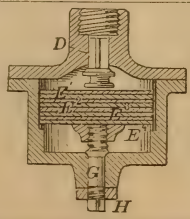
68898—G. Perkins—*Cooking Stove.*



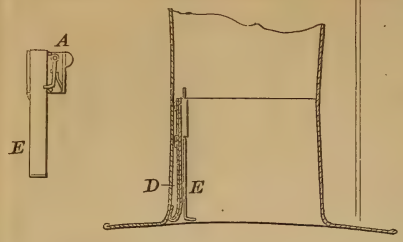
68895—A. Odell—*Attaching Thills to Carriages.*



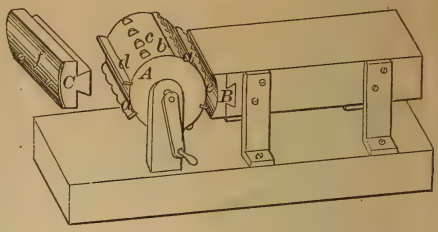
68897—E. F. Perkins—*Steam Trap.*



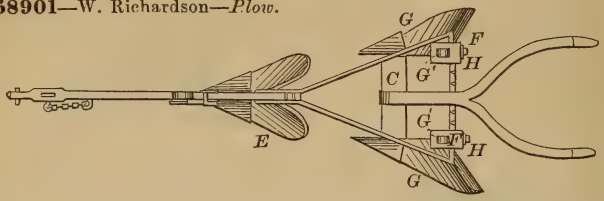
68899—W. H. Plumb—*Hat.*



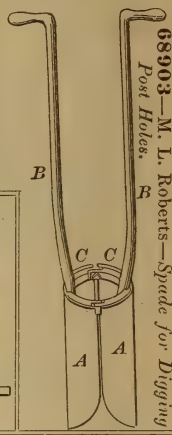
68905—B. Roezl—*For Cleaning Hemp, Ramie, &c.*



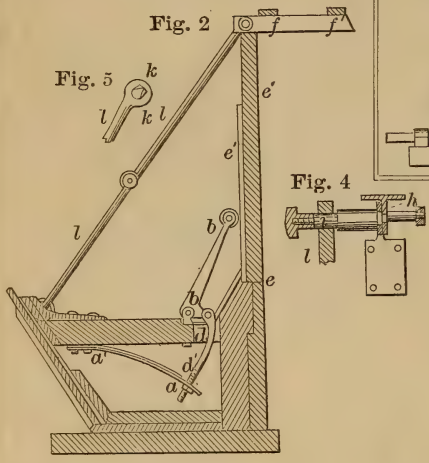
68901—W. Richardson—*Plow.*



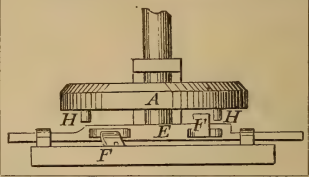
68903—M. L. Roberts—*Spade for Digging Post Holes.*



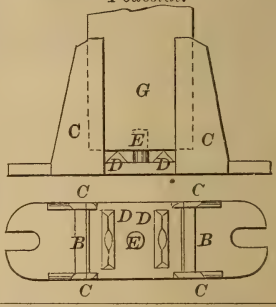
68904—J. Rock—*Carriage.*



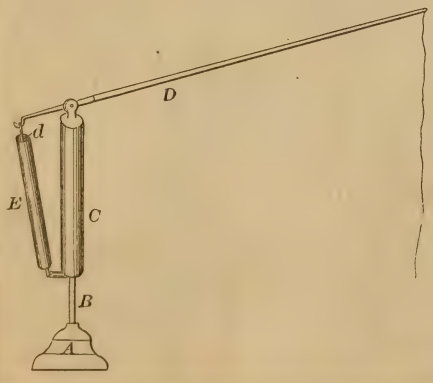
68900—J. & W. W. Porter—*Reverse Lever Pitman.*



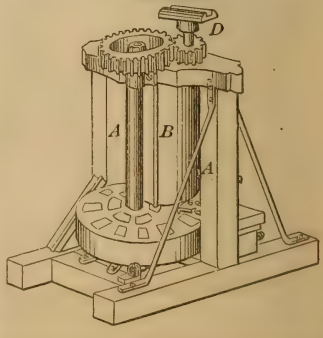
68902—J. Robbins—*Fence Post Pedestal.*



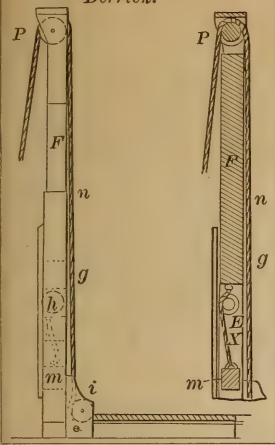
68906—Sargent & Flanders—*Animal Tether.*



68907—H. C. Sergeant—*Brick Machine.*

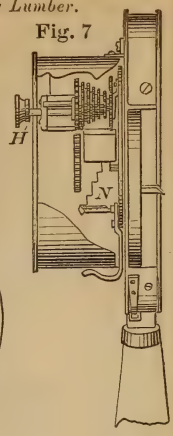


68909—A. B. Sprout—*Derrick.*



68911—T. B. Stevenson—*For Measuring Lumber.*

Fig. 7



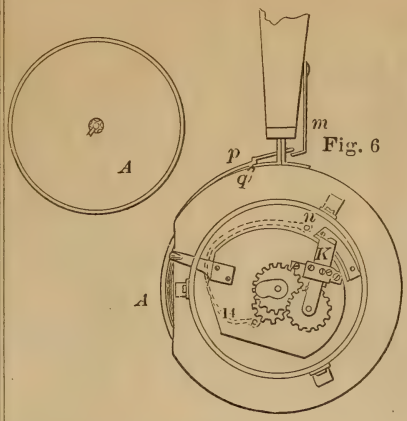


Fig. 6

68914—S. Tucker—*Piston Packing.*

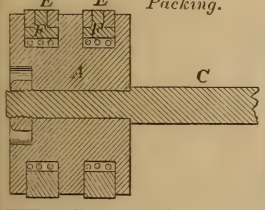


Fig. 2

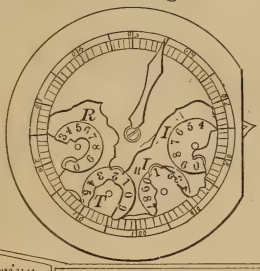
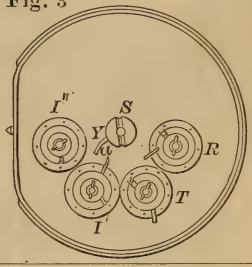
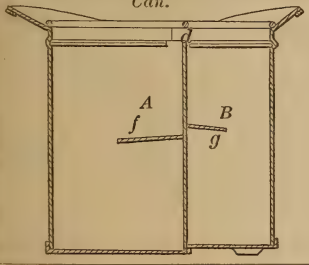


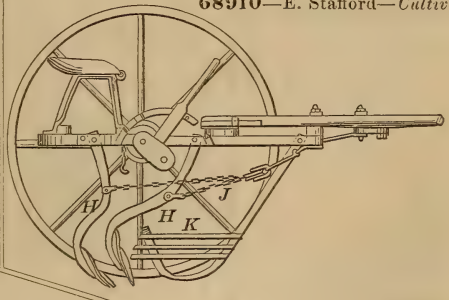
Fig. 3



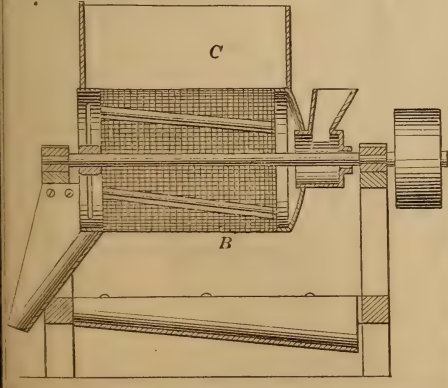
68913—D. H. Summer—*Measuring Can.*



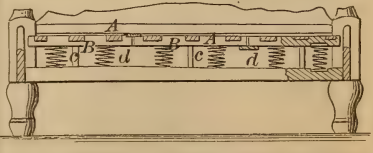
68910—E. Stafford—*Cultivator.*



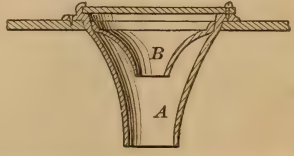
68915—D. H. Turner—*Cooling and Purifying Animal Charcoal.*



68912—W. Stickney—*Bed Bottom.*

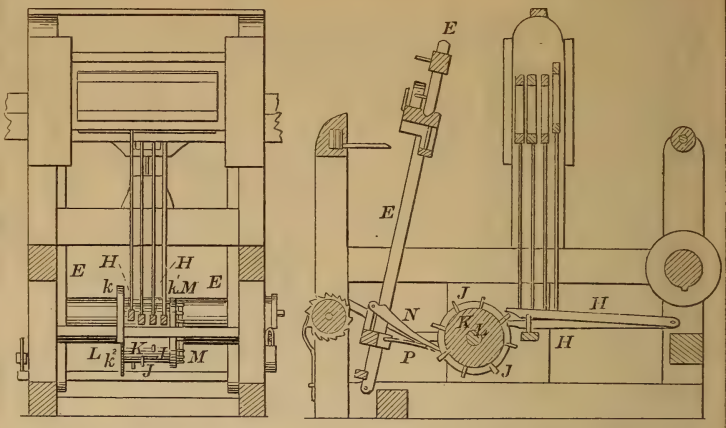


68916—B. Van Deusen—*Spittoon for Railroad Cars.*

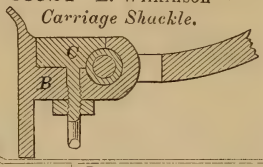


68917—S. Waite—*Driven Pump.*

68918—C. Wandel—*Hand Loom.*

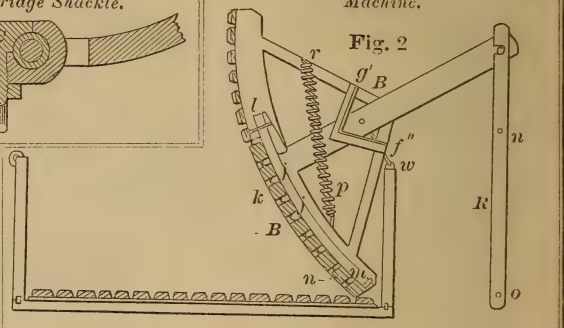


68924—L. Wilkinson—*Carriage Shackle.*



68921—J. W. Wetmore—*Washing Machine.*

Fig. 2



68920—J. Q. Welch—*Rotary Steam Engine.*

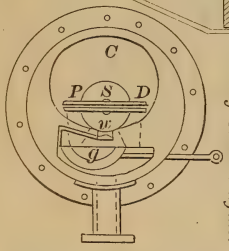
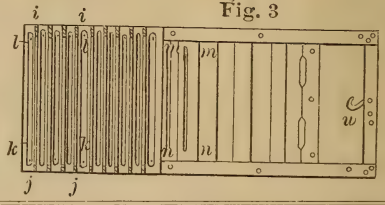
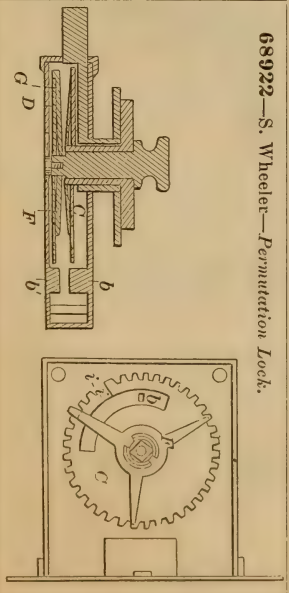


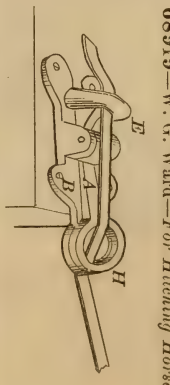
Fig. 3



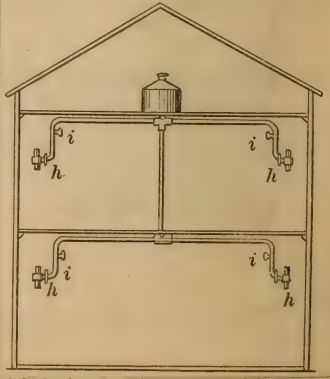
68922—S. Wheeler—*Permutation Lock.*



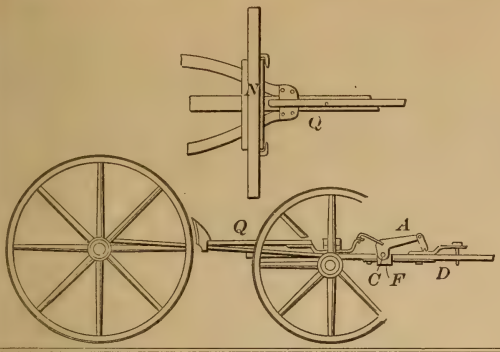
68919—W. G. Ward—*For Hitching Horses.*



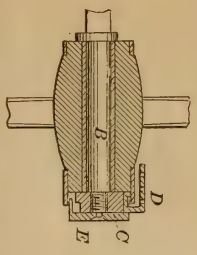
68923—A. J. White—*For Lighting Factories.*



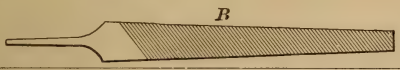
68926—J. F. Wood, 2d—*Self-Acting Wagon Brake.*



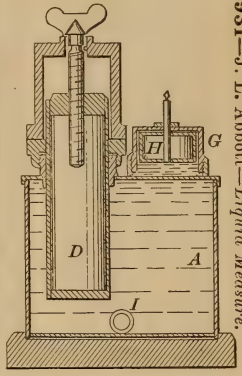
68930—W. Youngblood—*Wagon Step.*



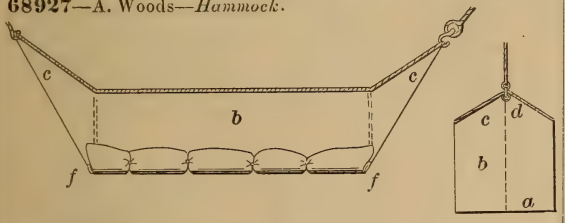
68929—H. Young—*File.*



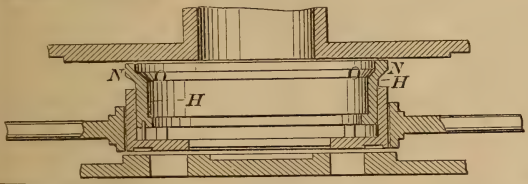
68931—J. L. Abbott—*Liquid Measure.*

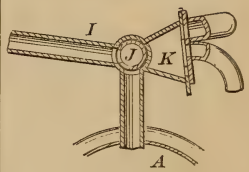


68927—A. Woods—*Hammock.*



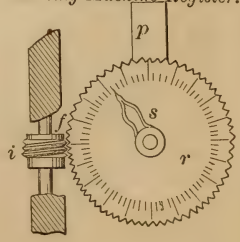
68932—Adams& Parson—*Slide Valve.*



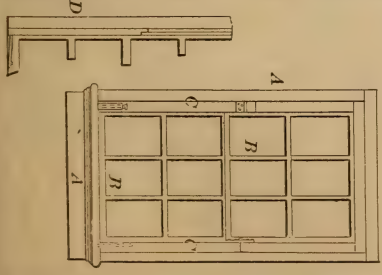


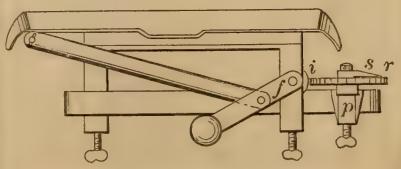
68925—A. Woeber—*Carriage Curtain Fastener.*

68928—Wyman & Hartshorn—*Knitting Machine Register.*

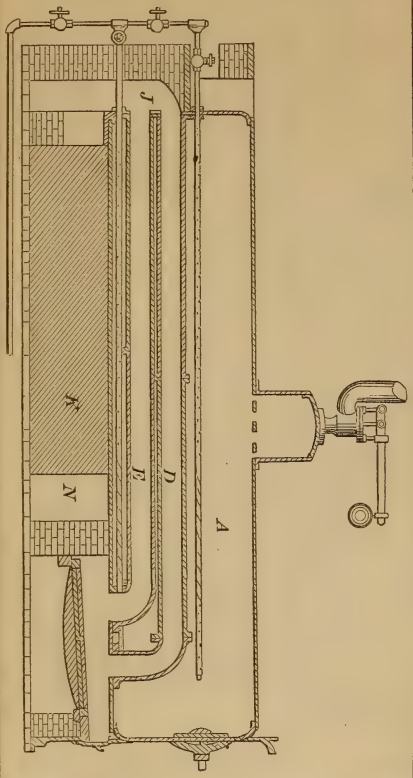


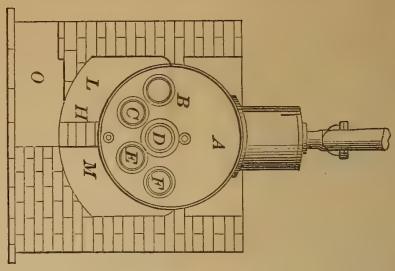
68933—J. K. Andrews—*Window Sash Stop.*



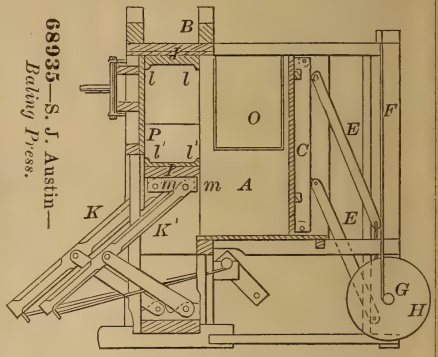


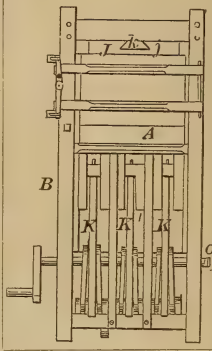
68934—P. Atherton—*Steam Generator.*



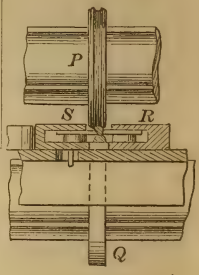


68935—S. J. Austin—*Baling Press.*

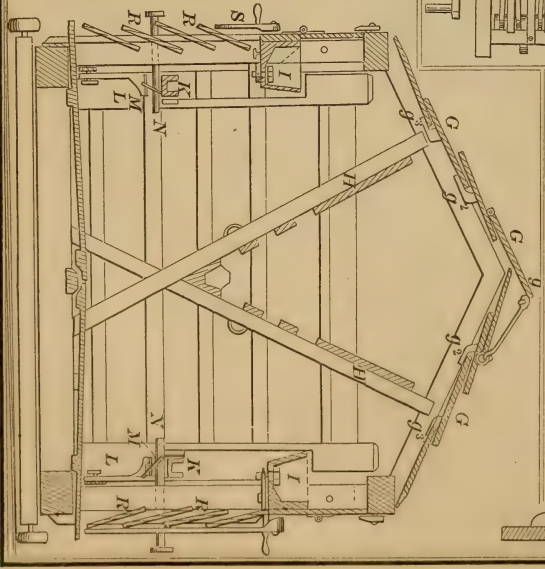


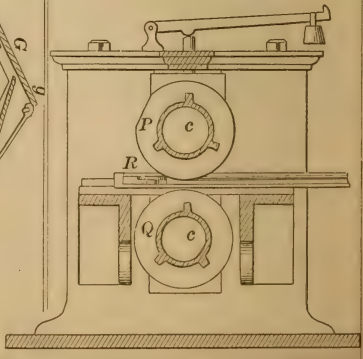


68936—H. Baines—*For Rolling Rails.*

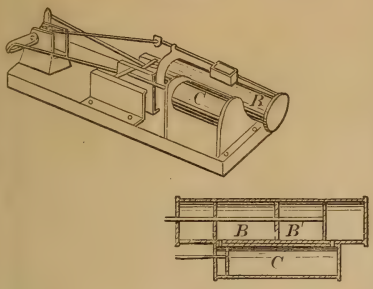


68937—Baker & Hisner—*Portable Sheep Shed.*

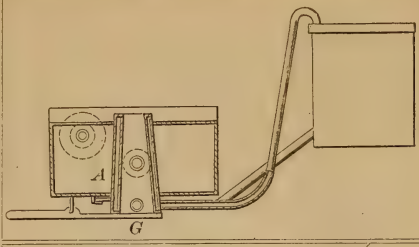




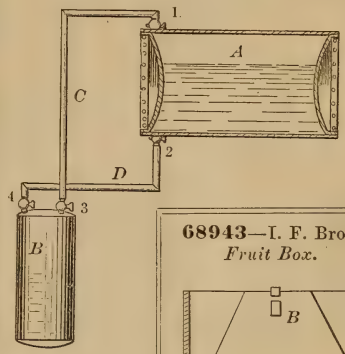
68938—Bancroft & Ward—*Steam Engine.*



68939—J. Bayliss—*Tuyere for Furnaces.*

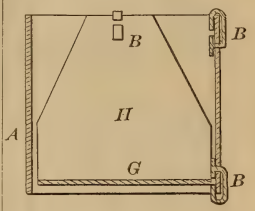


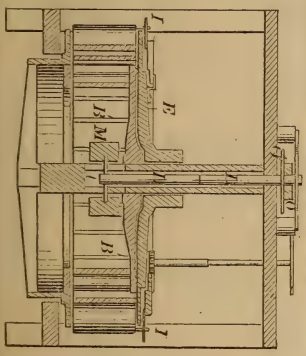
68940—J. F. Boynton—*Fire Extinguisher.*



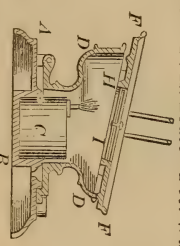
68945—J. D. Bryson—*Water Wheel.*

68943—I. F. Brown—*Fruit Box.*

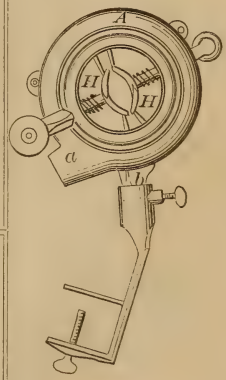


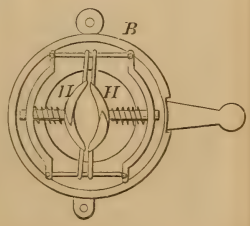


68944—N. H. Bruce—*Foot Warmer.*

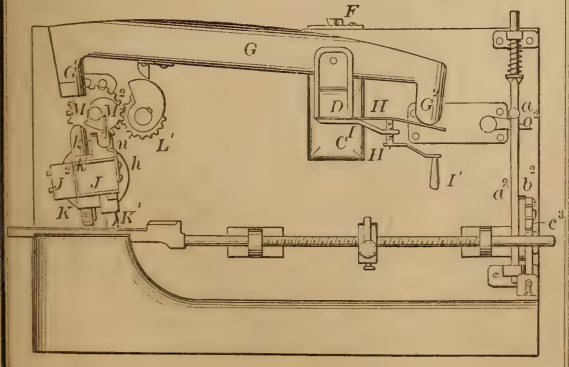


68941—C. H. Brady—*Corn Sheller.*





68946—E. Bucklin, Jr.—*File Cutting Machine.*



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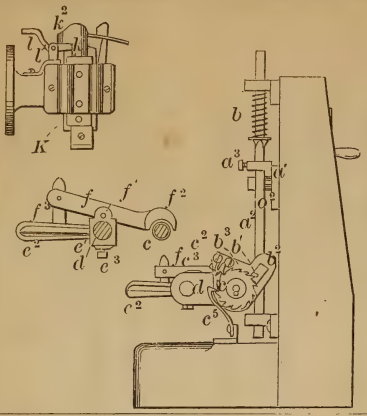
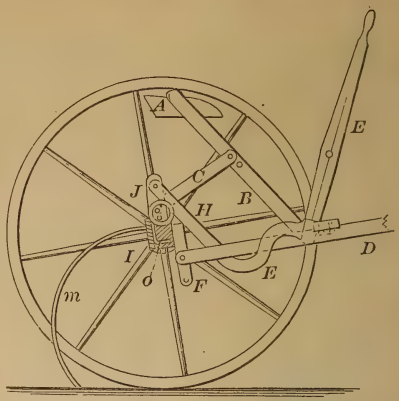
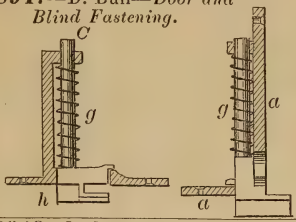


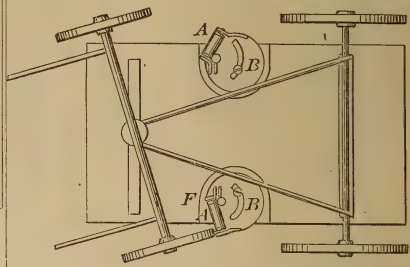
68950—G. E. Burt—*Horse Rake.*



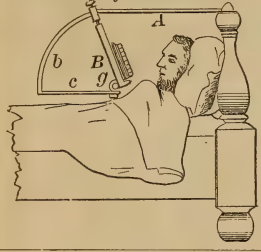
68947—D. Bull—*Door and Blind Fastening.*



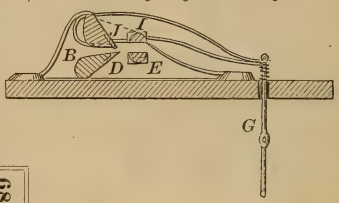
68951—G. J. Capewell—*Carriage Attachment.*



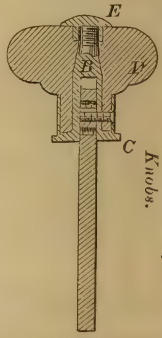
68948—D. Bull—*Table Attachment for Bedsteads.*



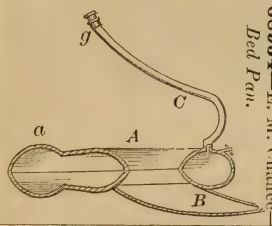
68949—Burkholder & Lerew—*For Rounding Fly Net Straps.*



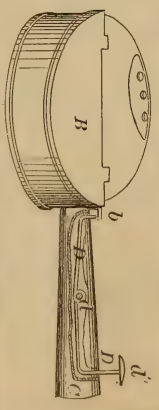
68956—D. B. Cobb—*Attaching Door Knobs.*



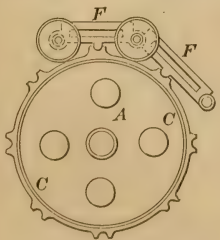
68954—E. M. Chaffee—*Bed Pan.*



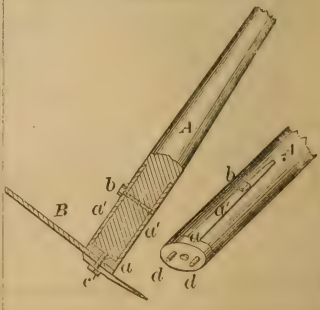
68953—J. M. Cayce—*Inverted Spittoon.*



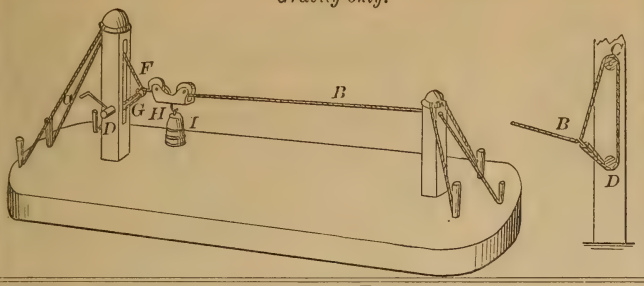
68957—S. Coin—*Horse Power.*



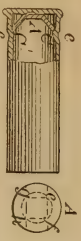
68958—I. Cook—*Hoe and Rake.*



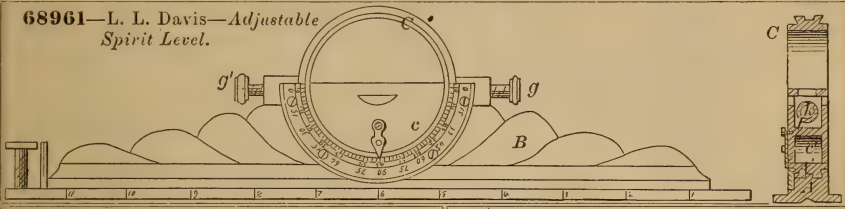
68959—A. W. Cramer—*Adjustable Track for Conveying Loads by Gravity only.*



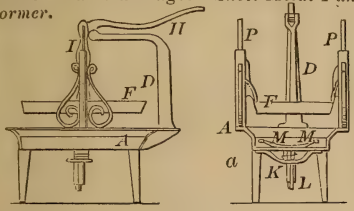
68960—J. F. Cranston—*Priming Metallic Cartridges.*



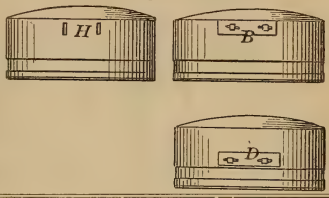
68961—L. L. Davis—*Adjustable Spirit Level.*



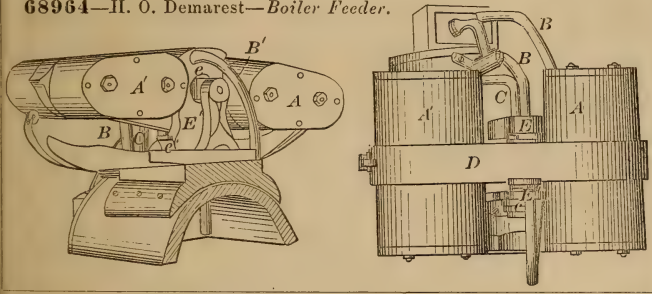
68962—Davis & Wagor—*Sheet Metal Pan Former.*



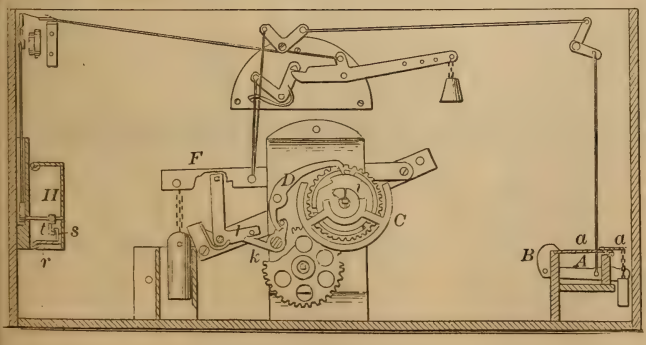
68963—Dawson, Dawson & Hilton—*Balancing Mill Stones.*



68964—H. O. Demarest—*Boiler Feeder.*

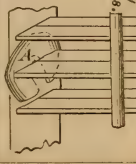


68965—Denzler & Miller—*Manger.*

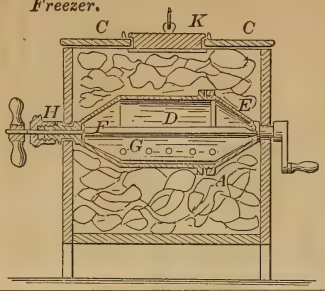


68966—T. De Witt—*Carriage Spring.*

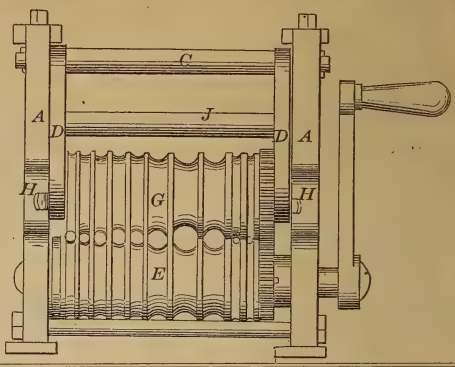
68967—G. H. Dimond—*Fastening Blind Slats.*



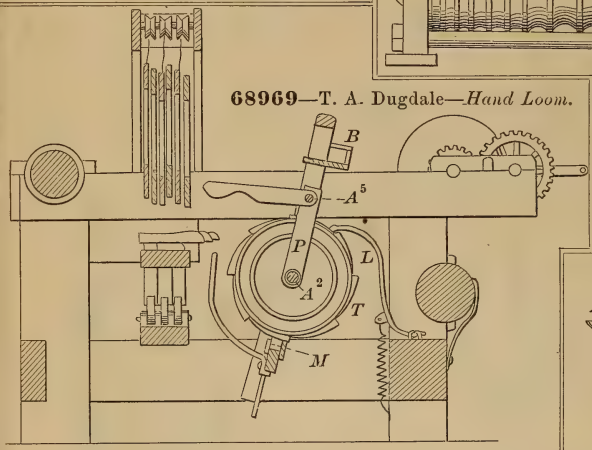
68968—F. H. Duc—*Ice Cream Freezer.*

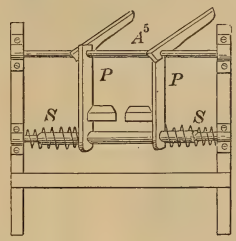


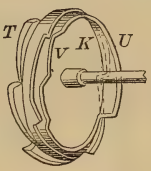
68972—L. B. Gates—*For Rounding Lines.*



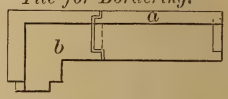
68969—T. A. Dugdale—*Hand Loom.*



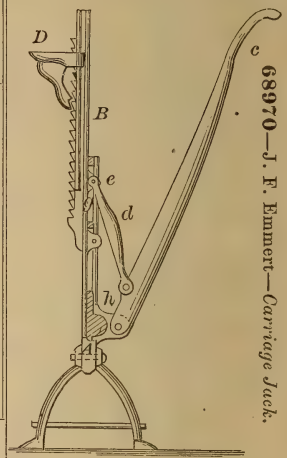




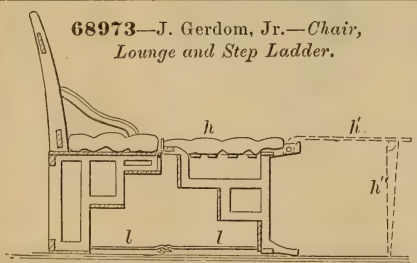
68971—F. B. Fancher—*Tile for Bordering.*



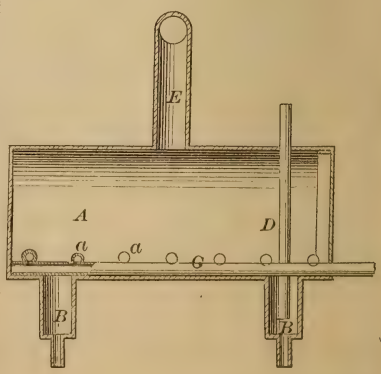
68970—J. F. Emmert—*Carriage Jack.*



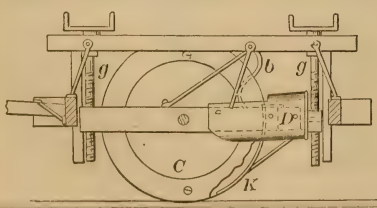
68973—J. Gerdom, Jr.—*Chair, Lounge and Step Ladder.*



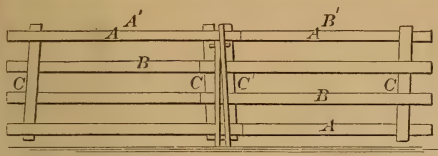
68974—S. Gibbons—*For Refining and Distilling Oil.*



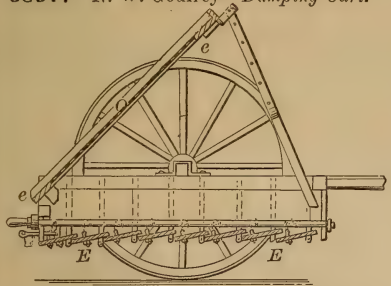
68975—Gifford & Seright—*Ditching Machine.*



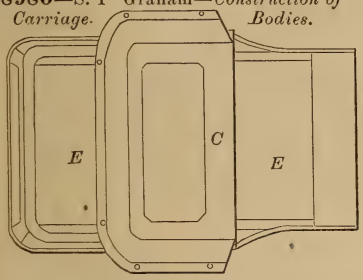
68976—E. C. Goddard—*Portable Field Fence.*



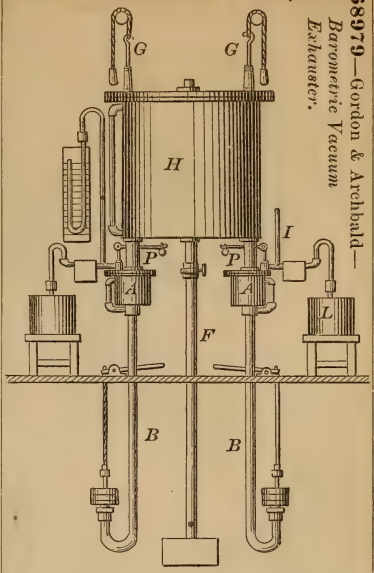
68977—N. W. Godfrey—*Dumping Cart.*



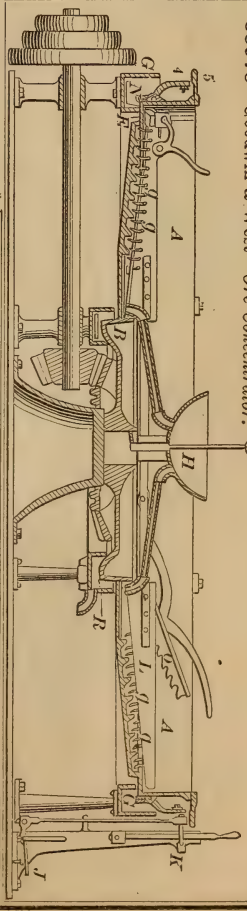
68980—S. P Graham—*Construction of Carriage. Bodies.*



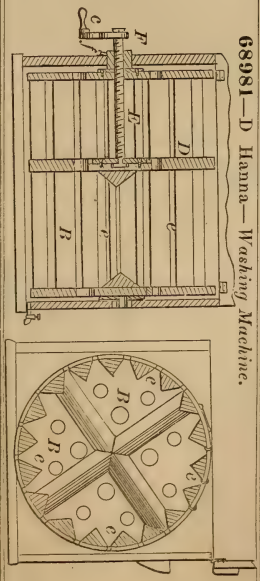
68979—Gordon & Archbald—*Barometric Vacuum Exhauster.*



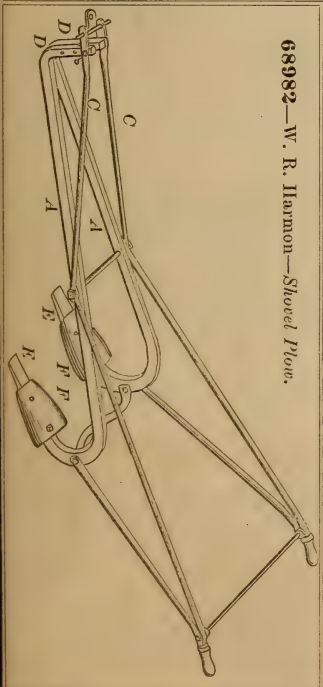
68978—Goodwin & West—*Ore Concentrator.*



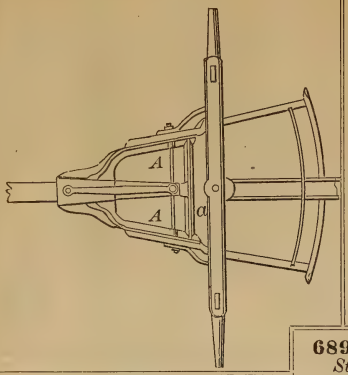
68981—D Hanna—*Washing Machine.*



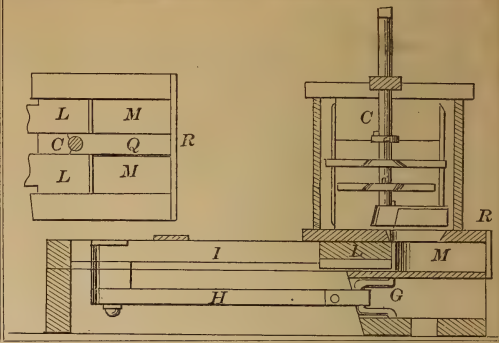
68982—W. R. Harmon—*Shovel Plow.*



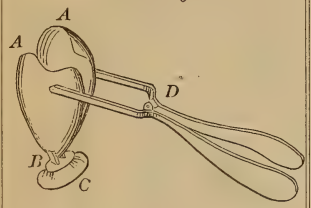
68983—L. D. Harvey—*Wagon.*



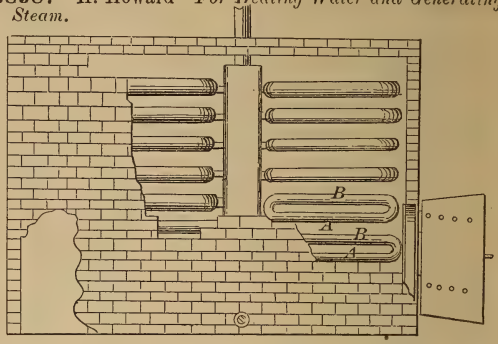
68986—Hotchkiss & Buss—*Brick and Tile Machine.*



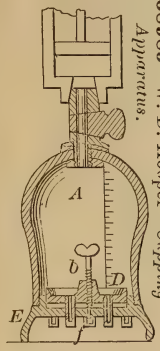
68984—C. Hellen—*Egg Cup and Tongs.*



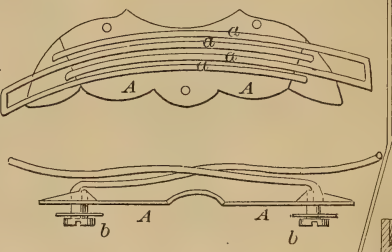
68987—H. Howard—*For Heating Water and Generating Steam.*



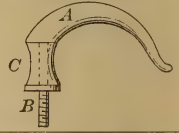
68985—W. D. Hooper—*Capping Apparatus.*



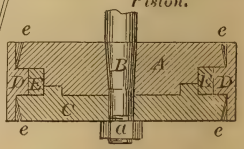
68988—T. A. Huffer—*Rein Holder.*



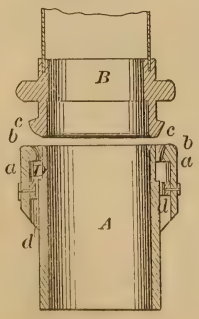
68990—J. H. Jones—*Check Hook*



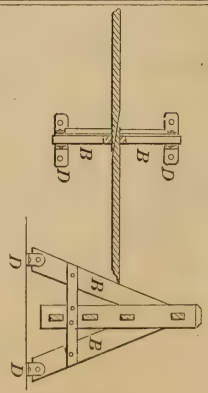
68989—N. Hunt—*Engine Piston.*



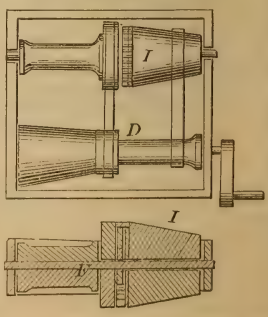
68993—J. Kerns—*Hose Coupling.*



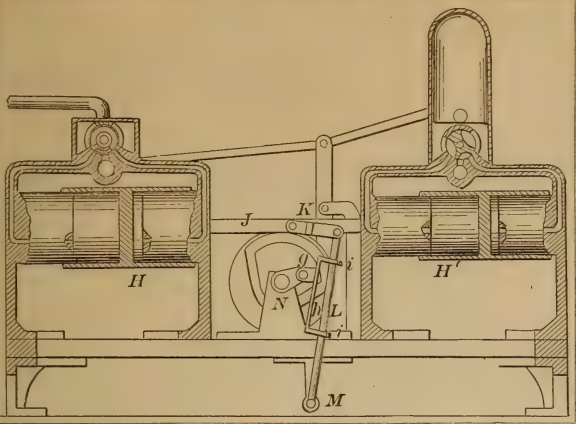
68991—D. Kaufman—*Fence.*



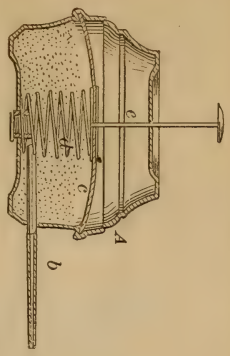
68992—G. B. Keeler—*Hoisting Apparatus.*



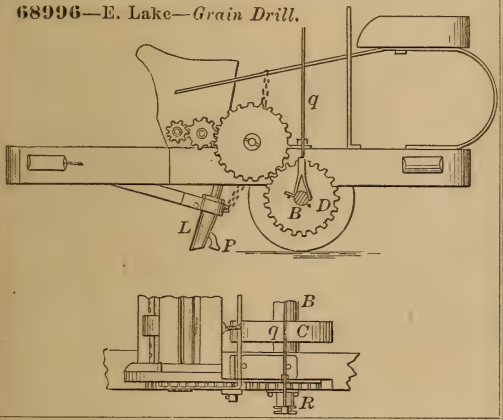
68994—J. C. King—*For Operating Valves of Force Pumps.*



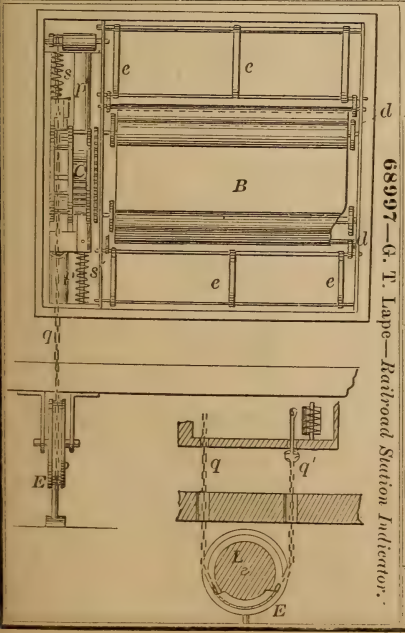
68995—M. Koppe—*Injector for Insect Powder.*



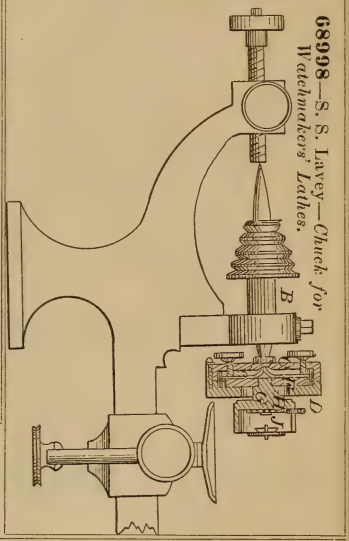
68996—E. Lake—*Grain Drill.*



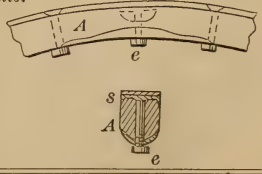
68997—G. T. Lape—*Railroad Station Indicator.*



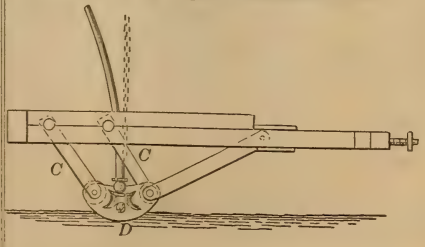
68998—S. S. Lavey—*Chuck for Watchmakers' Lathes.*



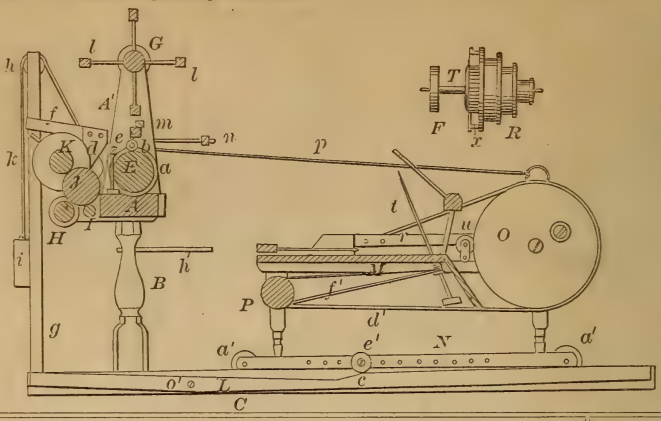
68999—J. W. Lawrence—*For Securing Felloe Joints.*



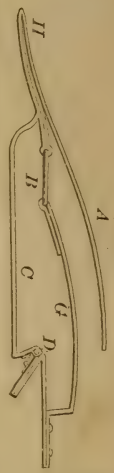
69000—E. T. Ligon—*Submarine Plow.*



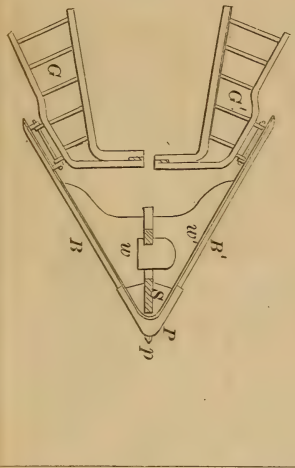
69002—J. Lazier—*Spinning Machine.*

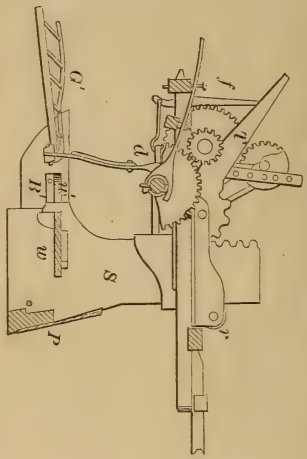


69004—S. Manning—*Finger for Lifting Lodged Grain*

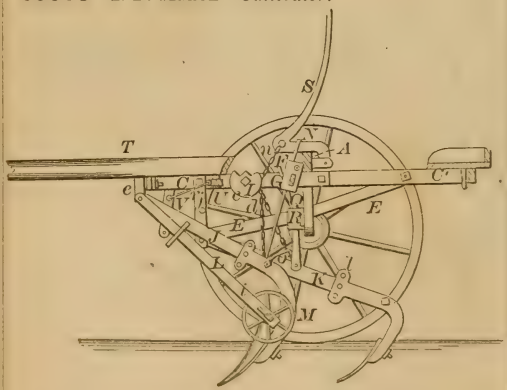


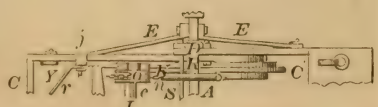
69005—A. Marcellus—*Potato Digger.*



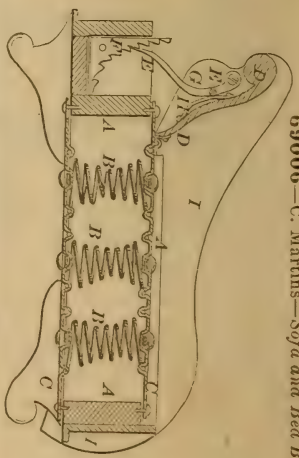


69003—I. B. Mahon—*Cultivator.*

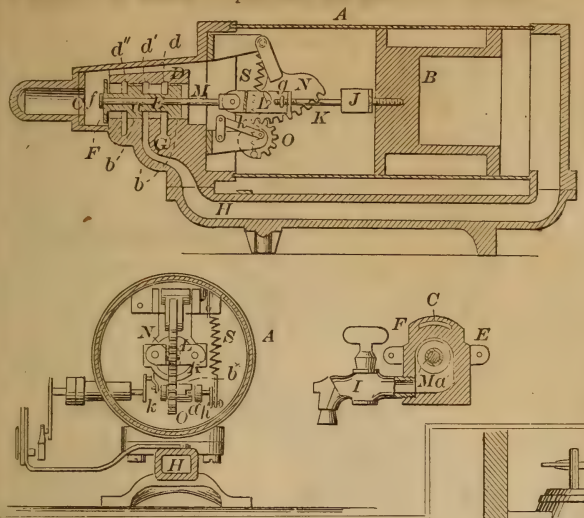




69006—C. Martins—*Sofa and Bed Bottom.*

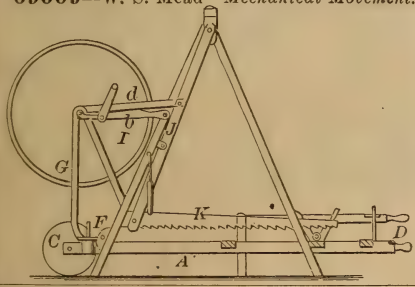


69007—J. Mason—*Liquid and Gas Meter.*

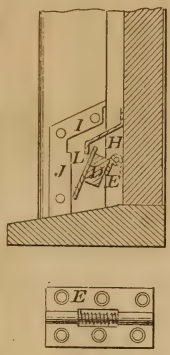


69008—F. McLaughlin—*Brush.*

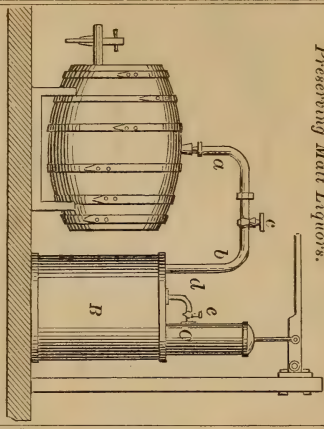
69009—W. S. Mead—*Mechanical Movement.*



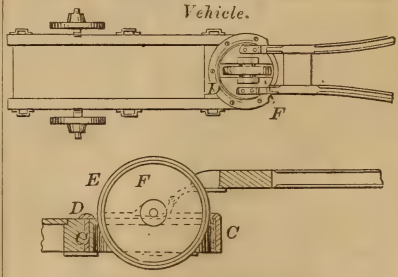
69010—J. H. Miller—*Weather Strip for Doors.*



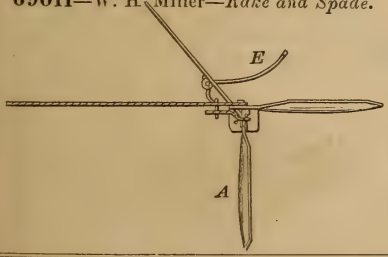
69013—H. Mittendorf—*For Drawing and Preserving Malt Liquors.*



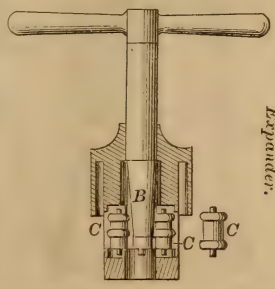
69012—Minor & Ward—*Three-Wheeled Vehicle.*



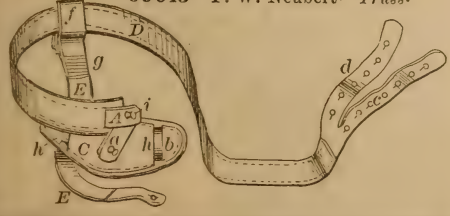
69011—W. H. Miller—*Rake and Spade.*



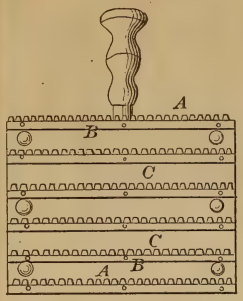
69014—E. J. Moore—*Tube Expander.*



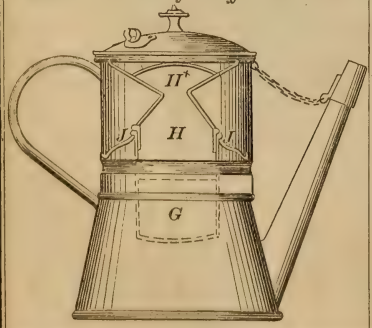
69015—F. W. Neubert—*Truss.*



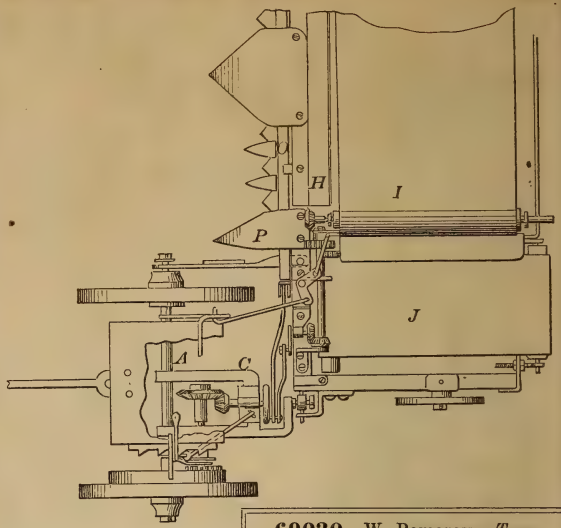
69016—E. M. Noyes—*Curry Comb.*



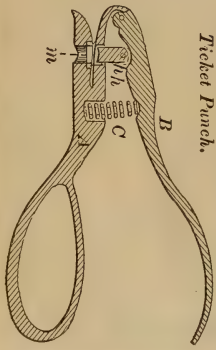
69017—P. Perry—*Coffee Pot.*



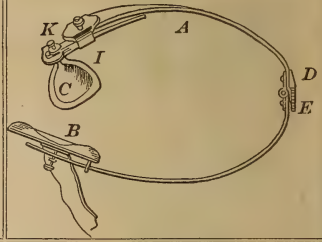
69018—G. M. Peters—*Harvester.*



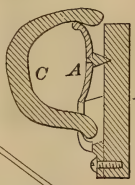
69019—W. J. Phelps—*Conductors' Ticket Punch.*



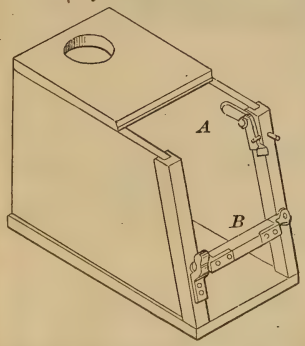
69020—W. Pomeroy—*Truss.*



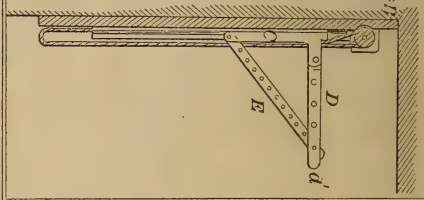
69021—S. S. Putnam—*Clothes Hook.*



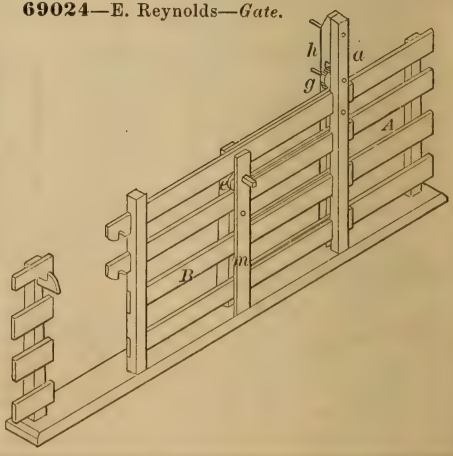
69022—S. S. Putnam—*Stall for Animals.*



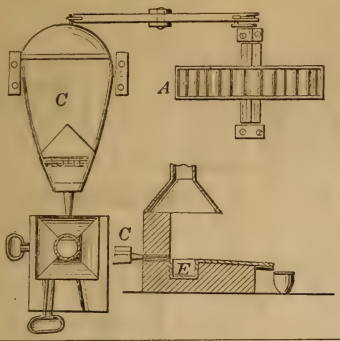
69023—Randall & Williams—*Clothes Dryer.*



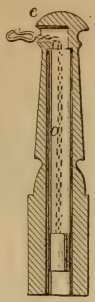
69024—E. Reynolds—*Gate.*



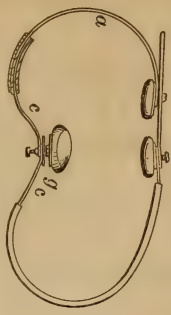
69025—A. H. Richardson—*For Smelting Ores of Silver.*



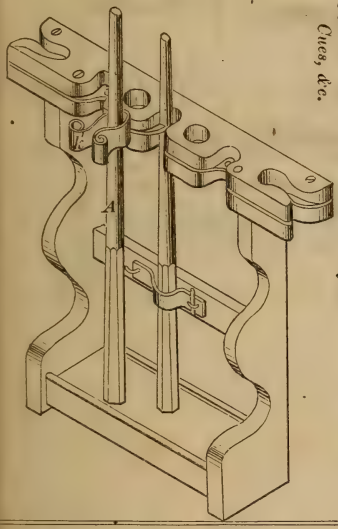
69027—D. C. Robie—*Hitching Post.*



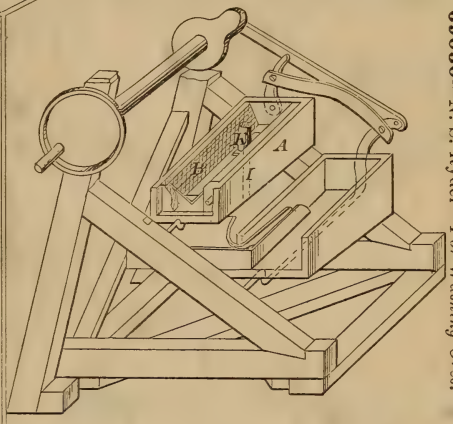
69028—J. L. Rowe—*Trusses.*



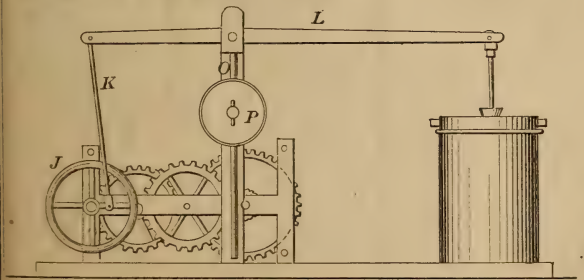
69026—E. Richmond—*Rack for Brooms, Billiard Cues, &c.*



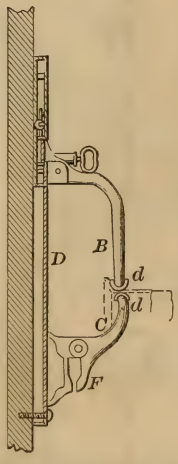
69030—N. S. Ryder—*For Washing Ores.*



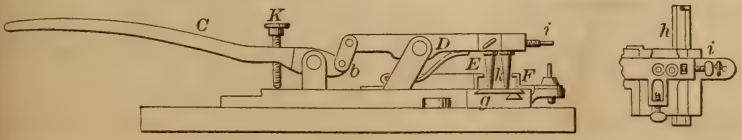
69029—M. V. B. Rowley—*Churn.*



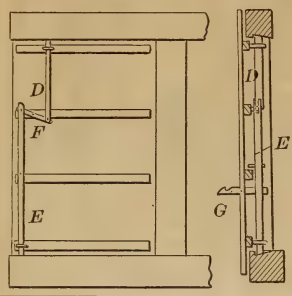
69032—W. Schmitt—*Coat and Hat Hook.*



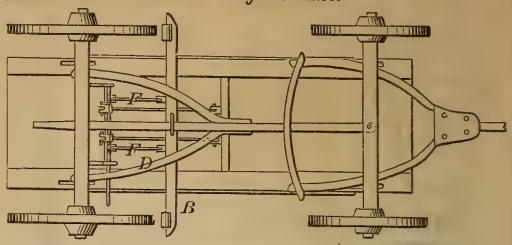
69031—Schindler & Metzger—*Punch.*



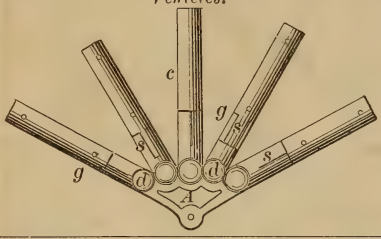
69033—A. H. Sherwood—*Door Bolt.*



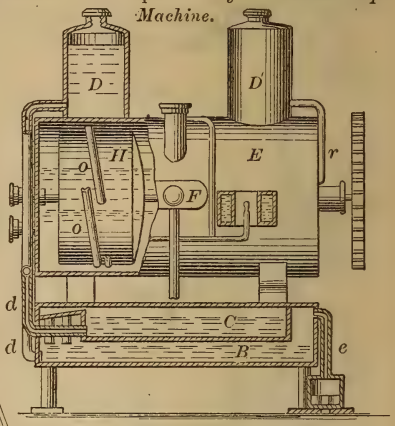
69035—A. P. Smith—*Wagon Brake.*



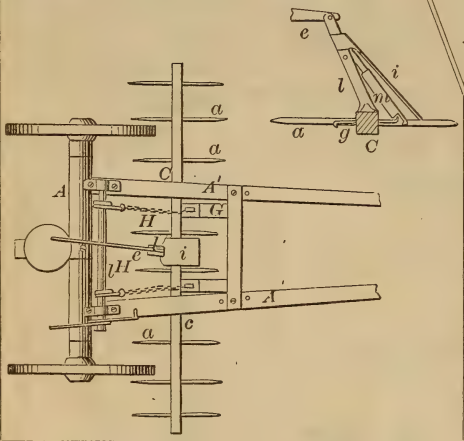
69034—G. W. Slater—*Bow Irons for Vehicles.*



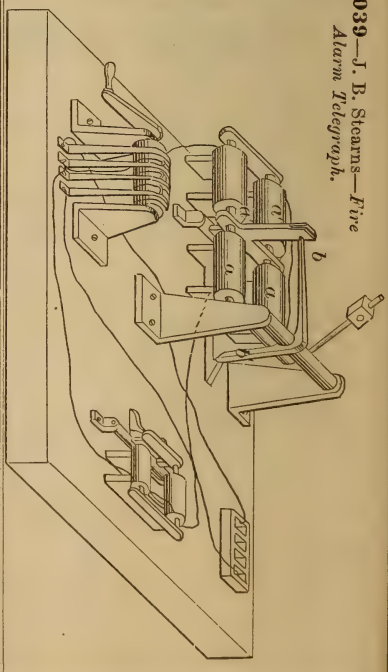
69037—J. F. Spence—*Hydro-Carbon Vapor Machine.*



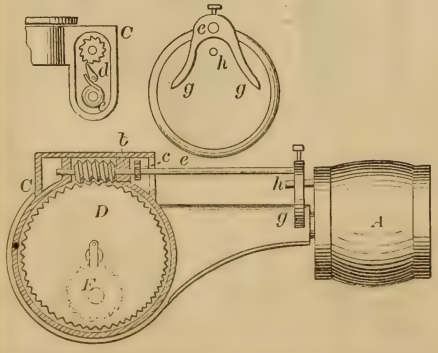
69036—G. W. Snyder—*Horse Rake.*



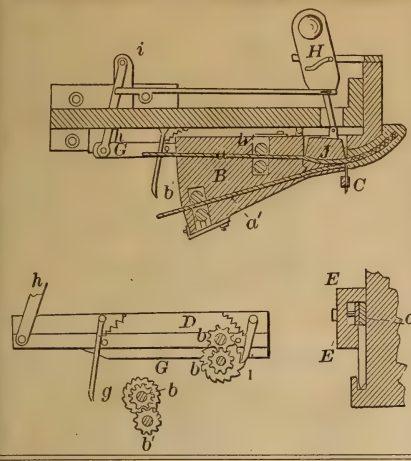
69039—J. B. Stearns—*Fire Alarm Telegraph.*



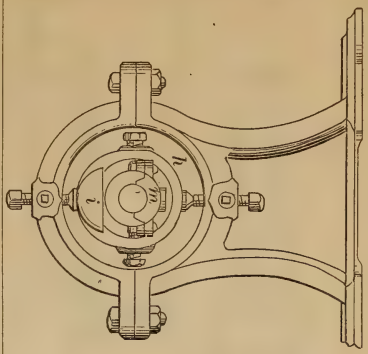
69038—J. C. Spencer—*Odometer.*



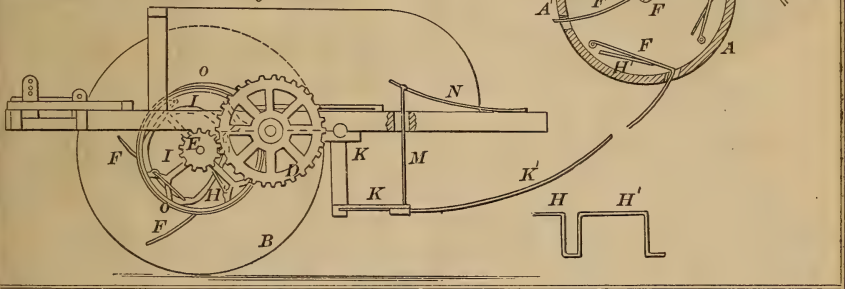
69040—H. C. Stone—*Pegging Machine.*



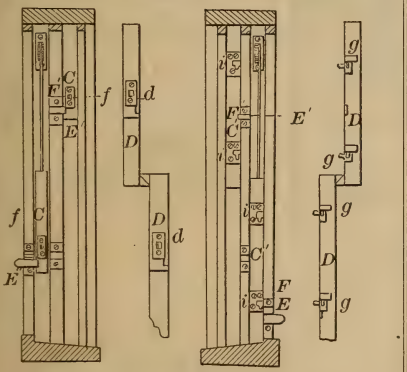
69041—J. M. Stone—*Hanger.*



69045—C. M. Terrell—*Hay Shocker.*

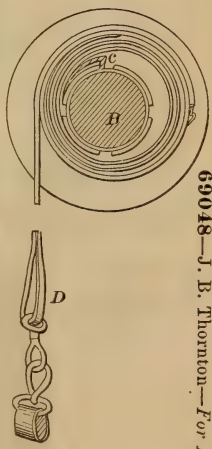


69046—R. Thomas—*Window Sash.*

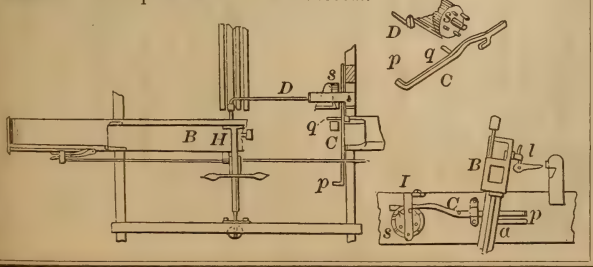


69044—J. W. Taylor—*Shaft Coupling.*

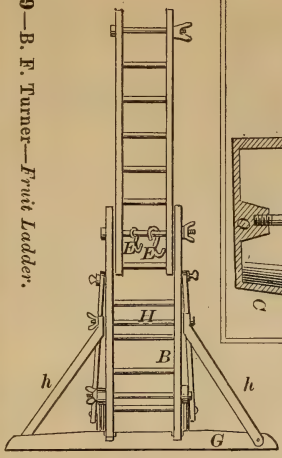
69048—J. B. Thornton—*For Hitching Horses*

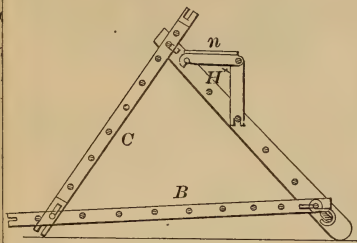


69047—Thompson & Fox—*Hand Loom.*

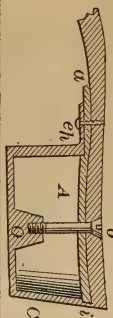


69049—B. F. Turner—*Fruit Ladder.*

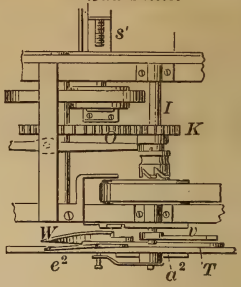


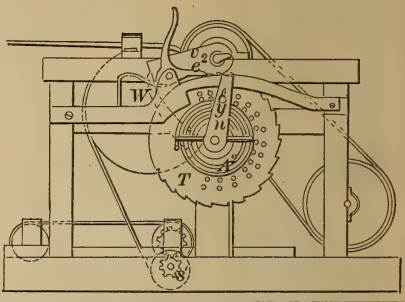


69051—R. Vandevort—*Boot Heel.*

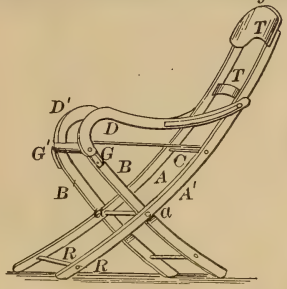


69055—T. Whitmore—*Head Block for Saw Mills.*

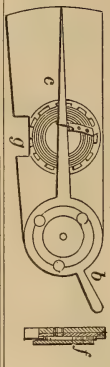




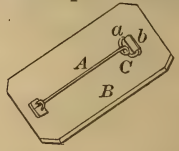
69050—E. W. Vaill—*Folding Chair.*



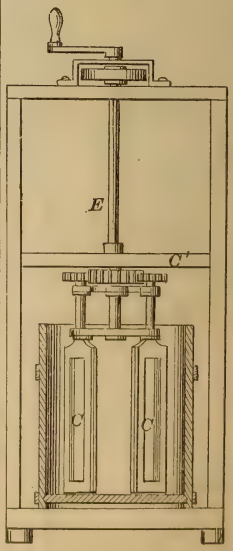
69053—A. Warren—*Regulating Device for Watches.*



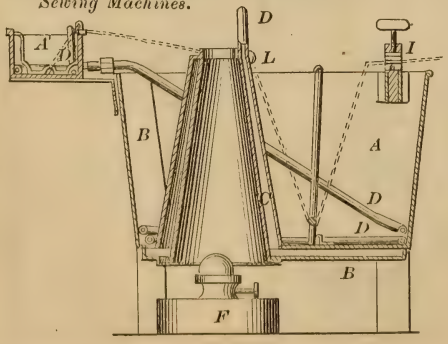
69052—A. K. P. Walker—*Breastpin Fastening.*



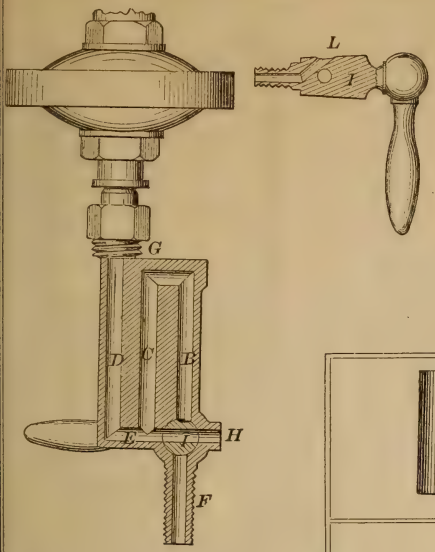
69054—G. Watkins—*For Mixing Liquids.*



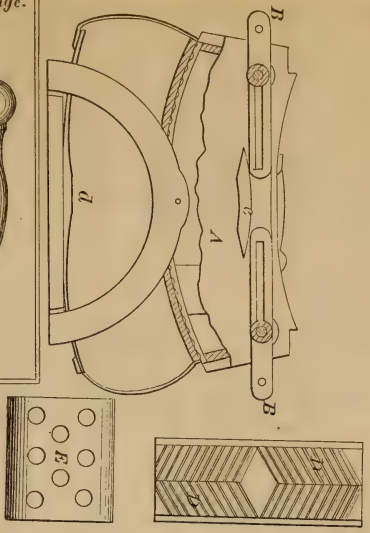
69056—L. R. Wiggin—*Waxing Device for Sewing Machines.*



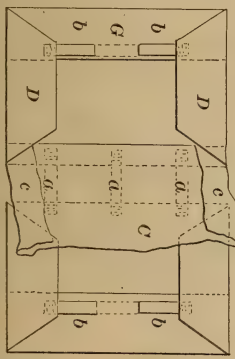
69057—C. A. Wilson—*Steam Pressure Gauge.*



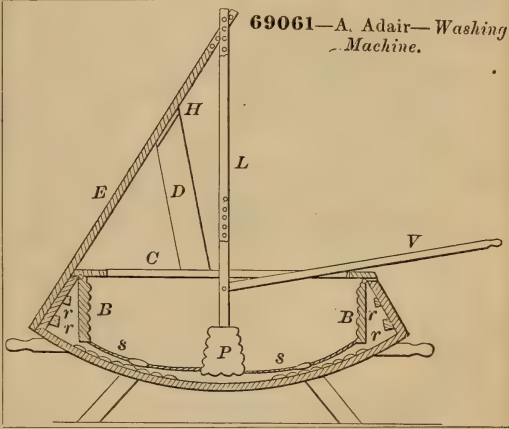
69059—J. W. Woodruff—*Washing Machine.*



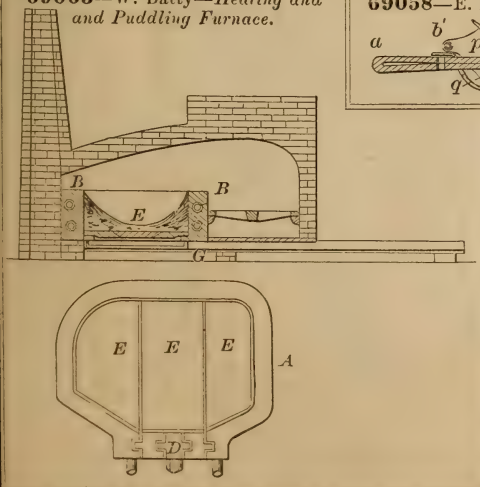
69062—Alexander & Osborn—*Book Cover Protector.*



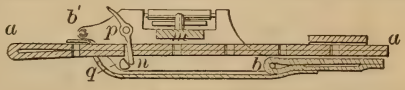
69061—A. Adair—*Washing Machine.*



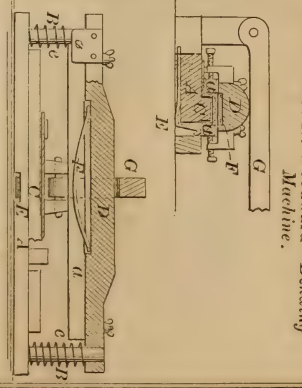
69063—W. Batty—*Heating and and Puddling Furnace.*



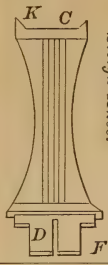
69058—E. B. Winslow—*Trace and Pad Buckle.*



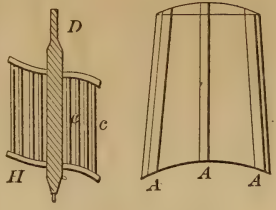
69060—J. N. Woodward—*Bending Machine.*



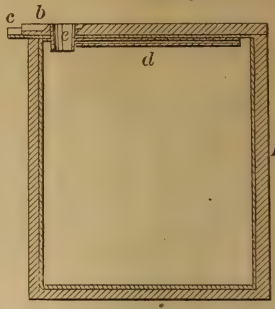
69064—W. D. Baughn—*Metal Sleigh Knee.*



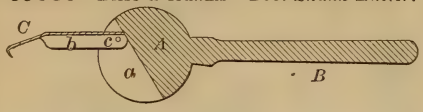
69065—S. & M. Bear—*Churn.*



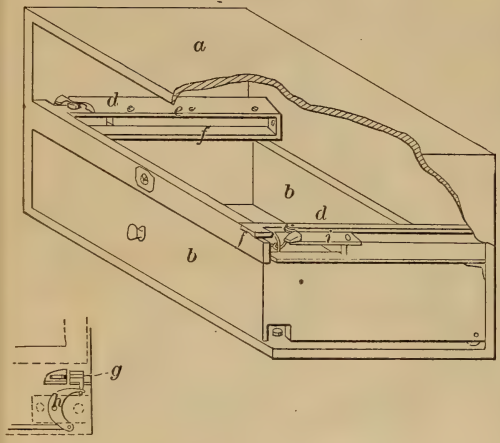
69067—W. Bonner—*Extension Nozzle and Ventilating Oil Can.*



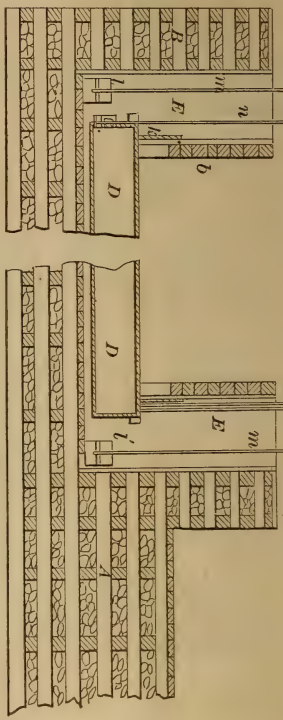
69066—Bliss & Adams—*Boot Shank Laster.*



69068—C. Brada—*Drawer for Furniture.*

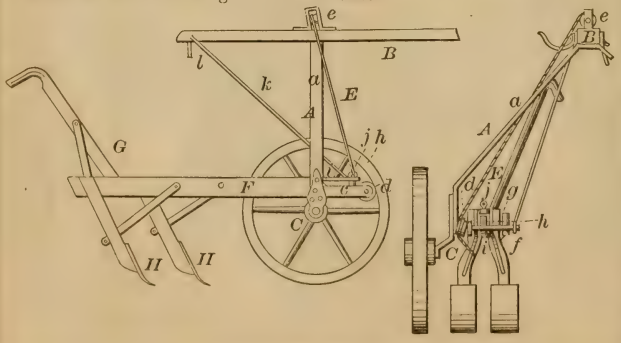


69070—F. R. Brunot—*Sluice Gate for Dams or Locks.*

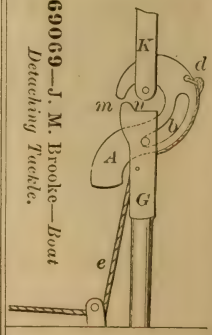


69072—P. L. Butler—*Rein Snap.*

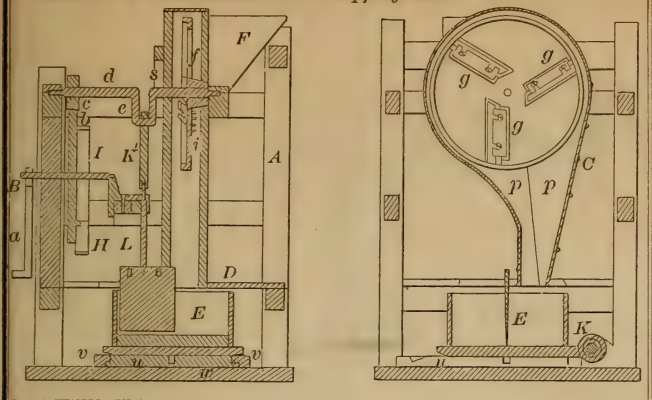
69071—M. C. Buffington—*Corn Plow.*



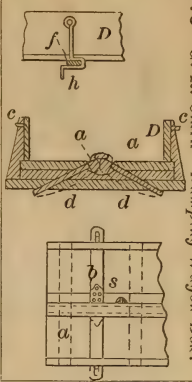
69069—J. M. Brooke—*Boat Detaching Tackle.*



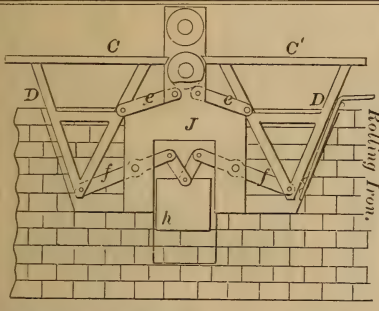
69073—H. Chamberlain—*For Chopping Meat.*



69075—J. R. Clark—*Dumping Wagon Box.*



69077—J. Copely, Jr.—*For Rolling Iron.*



69074—W. B. Chapman—*Neck Yoke.*

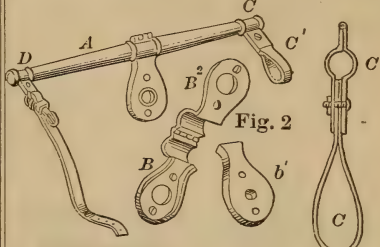
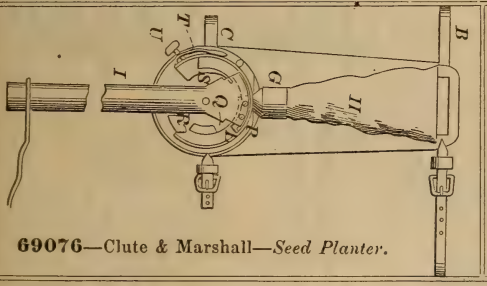
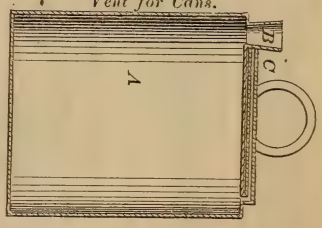


Fig. 2

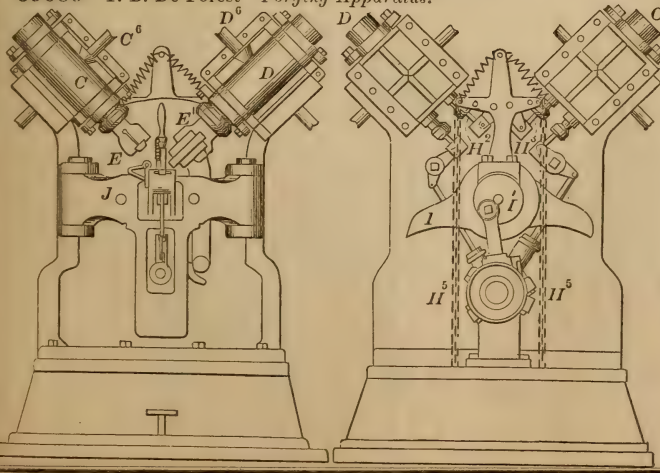
69076—Clute & Marshall—*Seed Planter.*



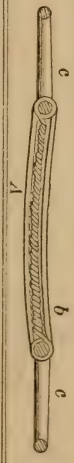
69078—E. M. Crandal—*Self-Acting Vent for Cans.*



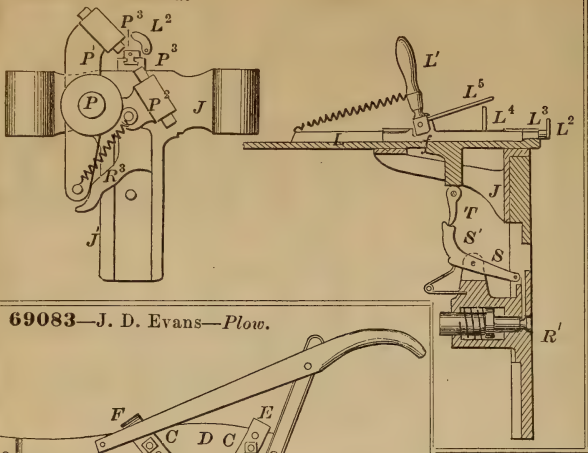
69080—T. B. De Forest—*Forging Apparatus.*



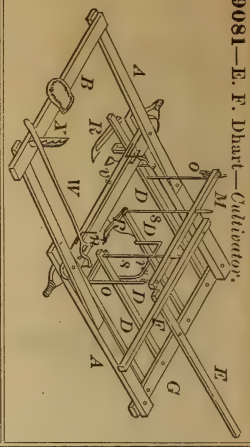
69079—E. S. Dawson—*Driving Bit.*



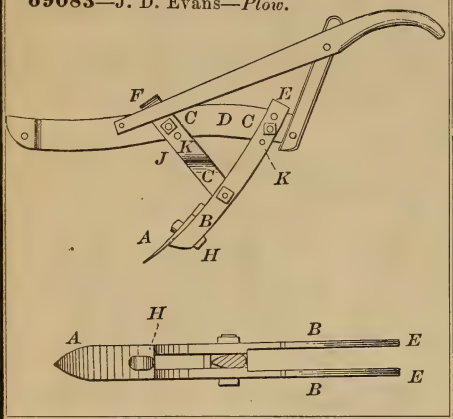
69080—*Continued.*



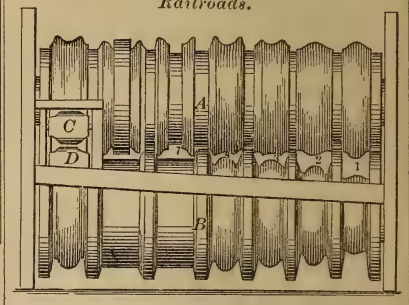
69081—E. F. Dhart—*Cultivator.*



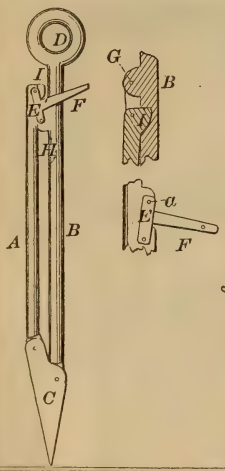
69083—J. D. Evans—*Plow.*



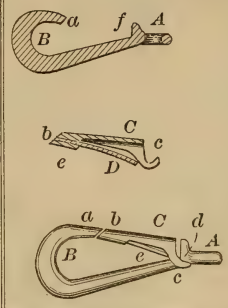
69085—D. Eynon—*For Rolling Chairs for Railroads.*



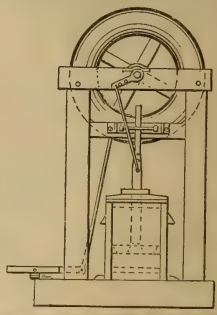
69084—O. Evans—*Horse Hoy Fork.*



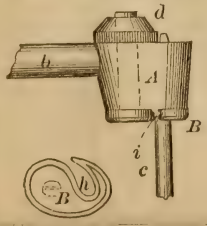
69087—K. Frazer—*Snap Hook.*



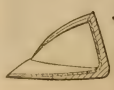
69088—J. W. Gault—*Churn.*



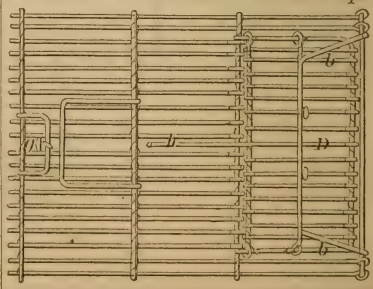
69086—J. B. Fellows—*Brace for Boring Bits.*



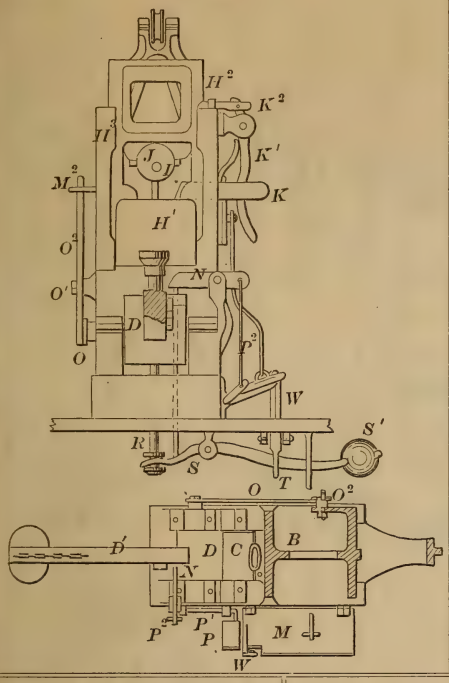
69082—A. B. Ely—*Boot and Shoe Tip.*



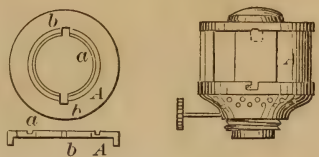
69089—J. Haddleton—*Animal Trap.*



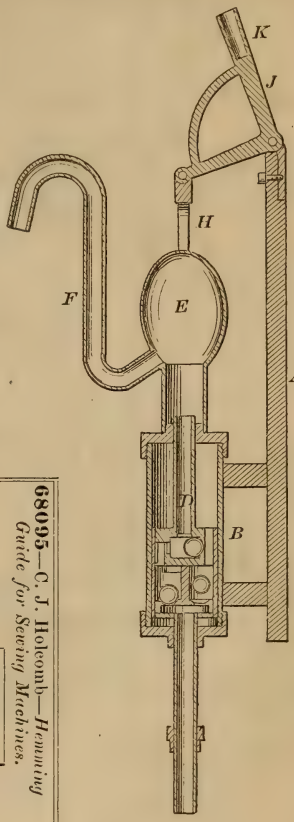
69090—H. M. Hamilton—*For Forming the Eyes of Picks.*



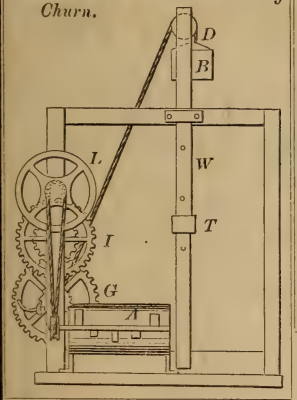
68091—H. L. Hanson—*Lamp.*



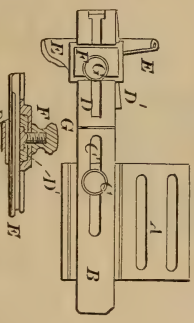
69092—H. A. M. Harris—*Pump.*



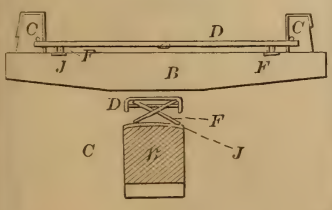
68093—J. Harwood—*Rotary Churn.*



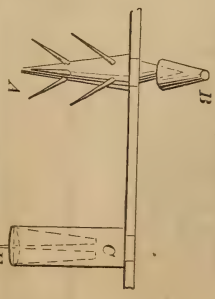
69095—C. J. Holcomb—*Hemming Guide for Sewing Machines.*



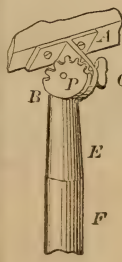
69094—B. Hershey—*Wagon Spring.*



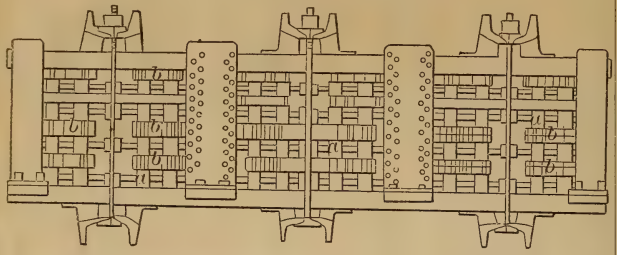
69096—L. L. Husband—*Preventing Incrustation of Steam Boilers.*



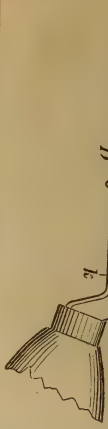
68097—A. Iske—*Holder for Whitewash Brushes.*



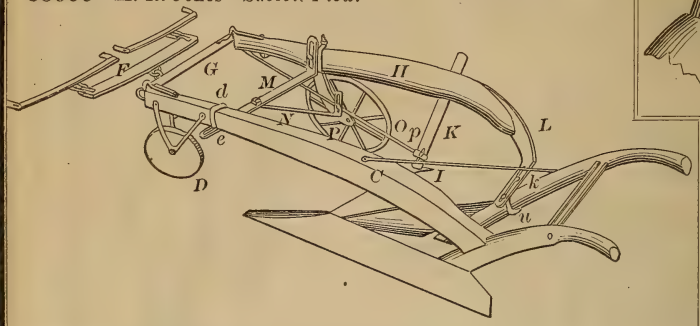
69098—A. Jack—*For Dyeing and Embossing Table and Piano Covers.*



69100—Kellogg & Sweet—*Curry Comb.*

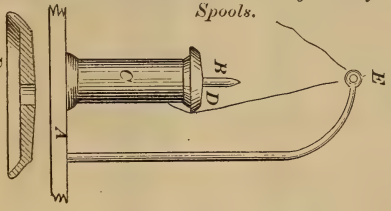


68099—M. R. Jones—*Subsoil Plow.*



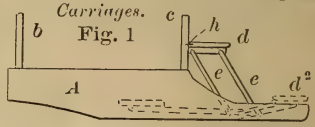
69104—B. Knapp—*Knee for Sleighs.*

68101—R. Kershaw—*For Winding Yarn from Spools.*

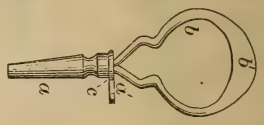


69102—C. P. Kimball—*Jump Seat for Carriages.*

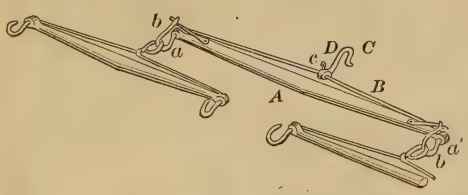
Fig. 1



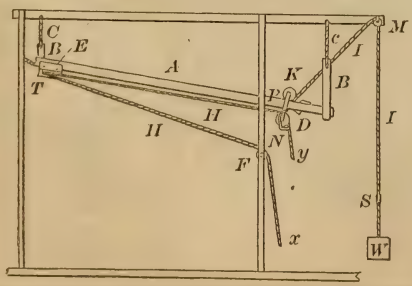
68103—E. M. Kimball—*Watch Key.*



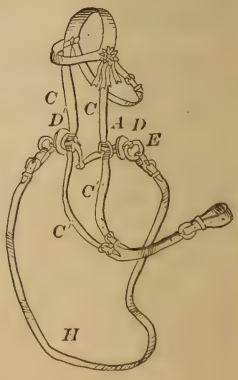
68105—J. W. Larmore—*Whiffletree.*



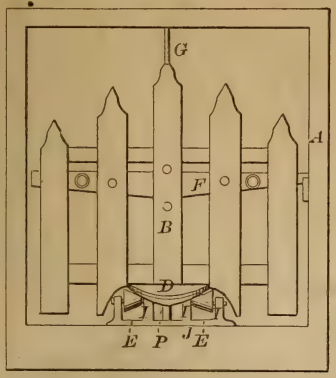
68107—W. Louden—*Elevating and Conveying Device.*

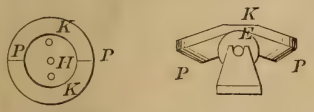


69106—E. W. Lindeman—*Safety Bridle.*

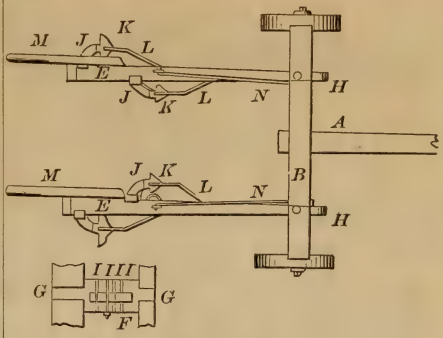


69108—H. Mansfield—*Gate.*

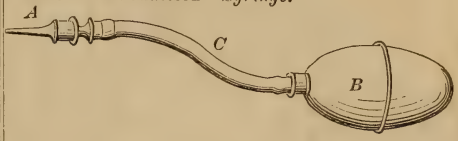




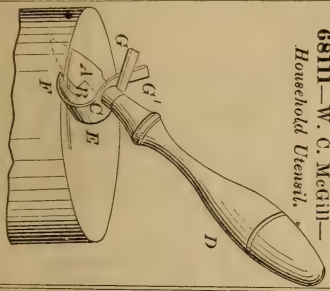
68109—J. Marsh—*Corn Plow.*



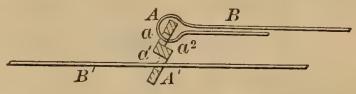
69110—M. Mattson—*Syringe.*



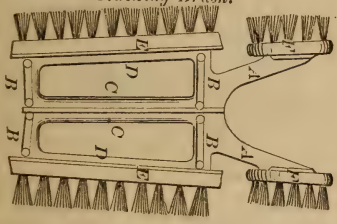
68111—W. C. McGill—*Household Utensil.*



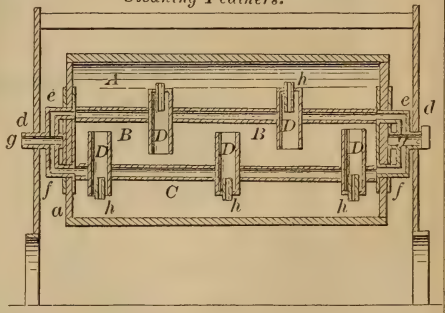
68113—J. F. Milligan—*Cotton Bale Tie.*



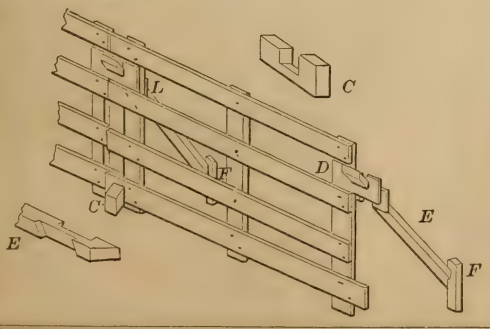
69112—H. J. Miller—*Boot Jack and Blacking Brush.*



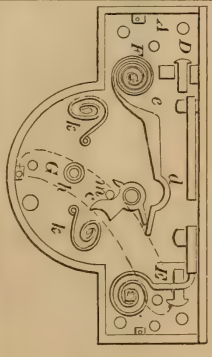
69114—O. C. Monroe—*For Renovating and Cleaning Feathers.*



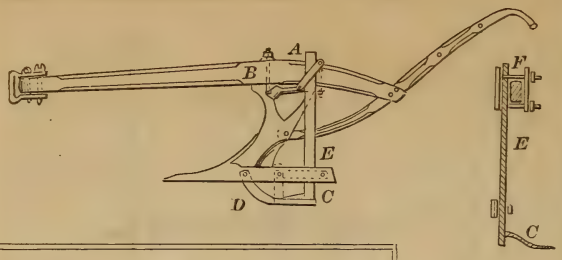
68116—A. M. Nichol—*Fence.*



69115—N. Nard—*Trunk Lock.*

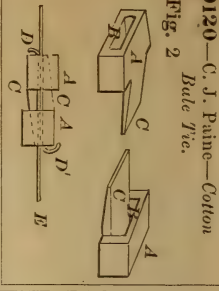


69117—Nichols & Clark—*Plow.*

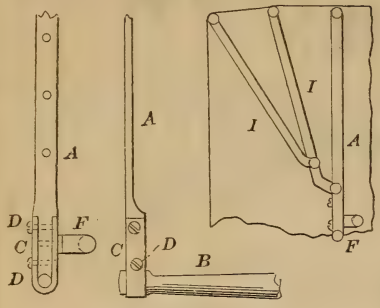


69120—C. J. Paine—*Cotton Bale Tie.*

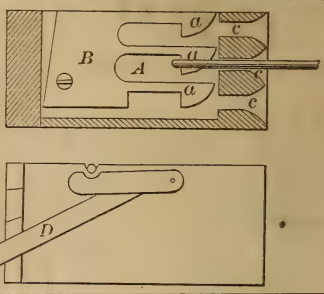
Fig. 2

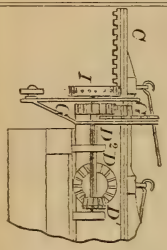


68119—P. Owens—*Carriage Top.*

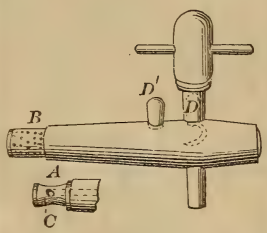


69123—H. C. Payson—*Car Coupling.*





69124—J. Phelps—*Faucet.*



69126—J. T. Price—*Pen and Pencil Holder.*

Fig. 1

Fig. 2

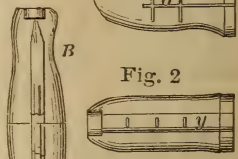
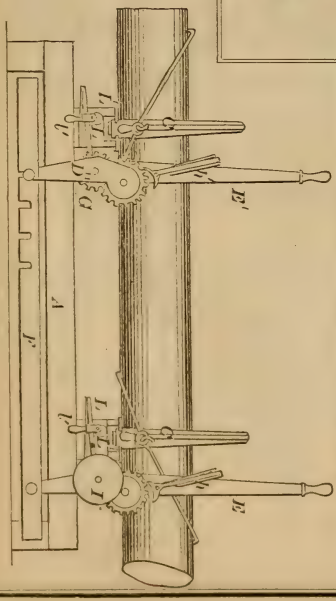
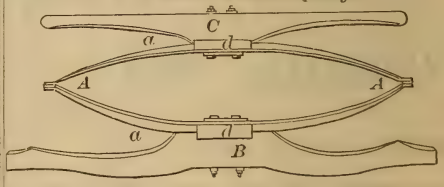


Fig. 3

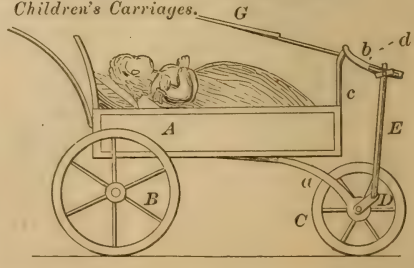
69122—D. Parkhurst—*Saw Mill Head Block.*



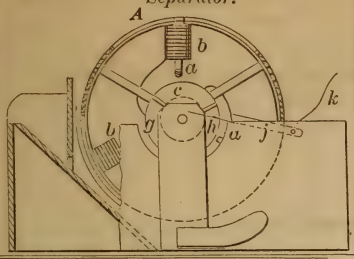
69125—E. J. Post—*Vehicle Spring.*



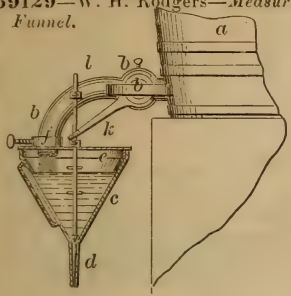
69127—J. Reinsch—*Fan Attachment to Children's Carriages.*



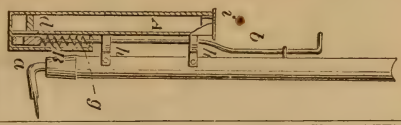
69128—P. Righter—*Magnetic Metal Separator.*



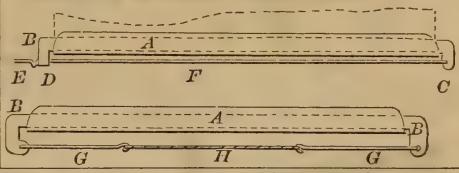
69129—W. H. Rodgers—*Measuring Funnel.*



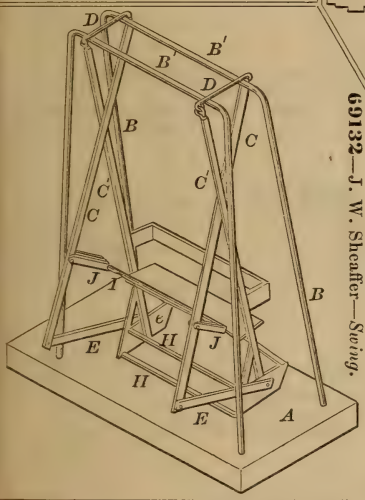
69130—J. B. Seymour—*Seed Planter.*



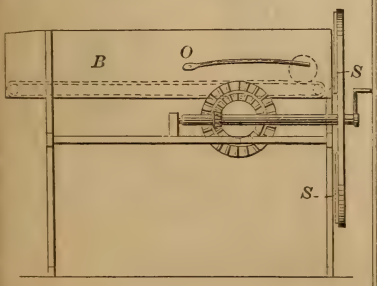
69131—N. M. Shafer—*Blotter Holder.*



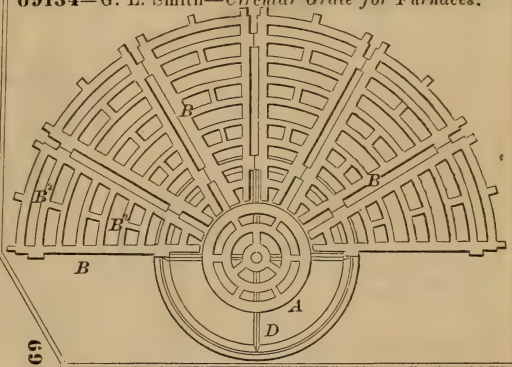
69132—J. W. Sheaffer—*Swing.*



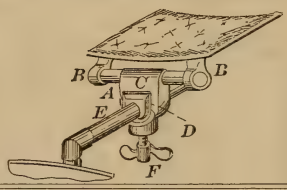
69133—G. Small—*Feed Cutter*



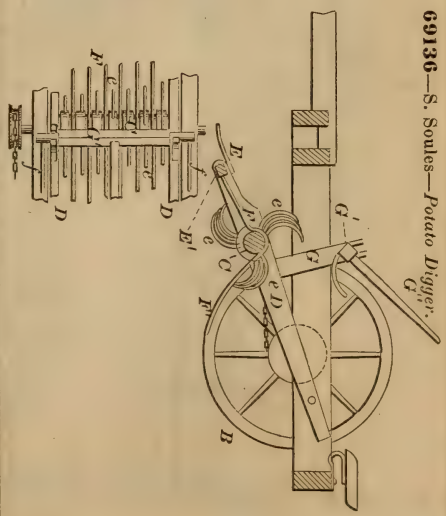
69134—G. L. Smith—*Circular Grate for Furnaces.*



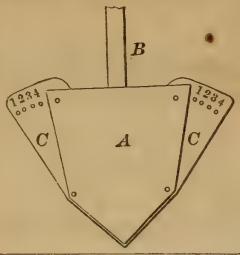
69135—H. Snowden—*Head Rest for Chairs*



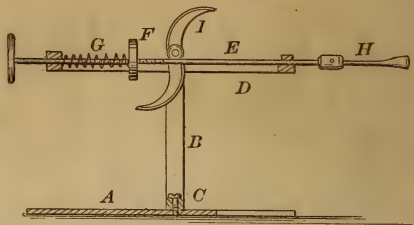
69136—S. Soules—*Potato Digger.*



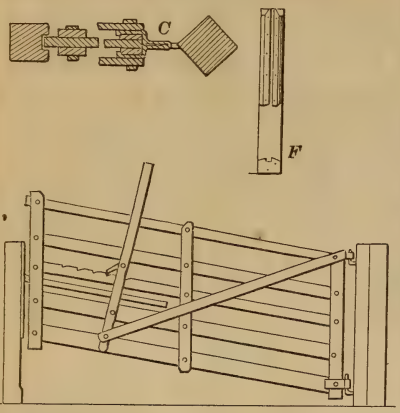
69137—M. E. Stanger—*Shovel Plow.*



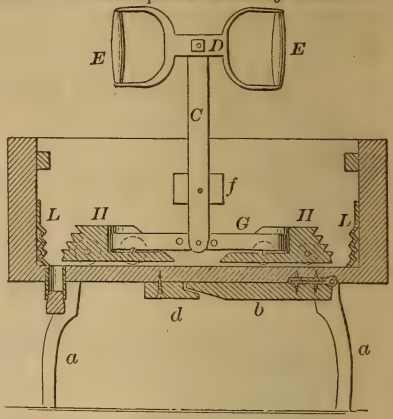
69139—J. S. Stockham—*Rock Drill.*



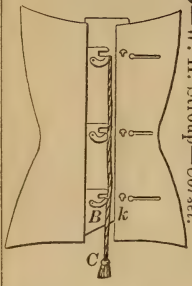
69138—States & Lutts—*Farm Gate.*



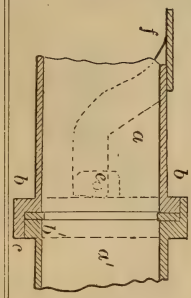
69141—H. Thompson—*Washing Machine.*



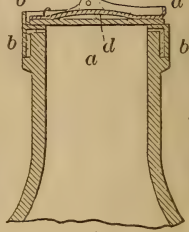
69140—W. H. Strong—*Corset.*



69142—N. Thompson—*Pipe Coupling.*

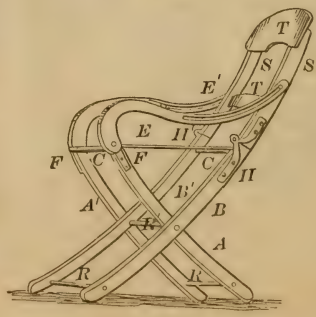


69143—N. Thompson—*For Closing the Mouths of Bottles*

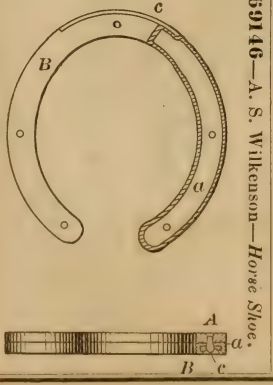


69144—I. Tower—*Fruit Picker.*

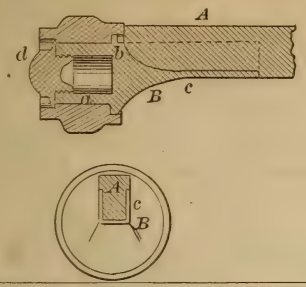
69145—E. W. Vaill—*Folding Chair.*



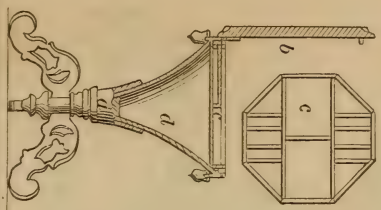
69146—A. S. Wilkenson—*Horse Shoe.*



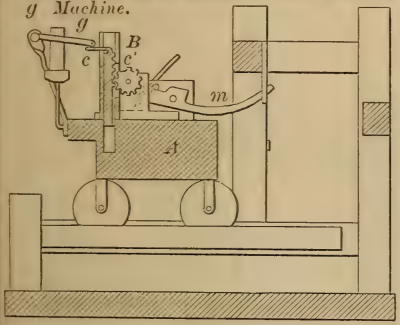
69147—J. B. Wilson—*Axle for Vehicles.*



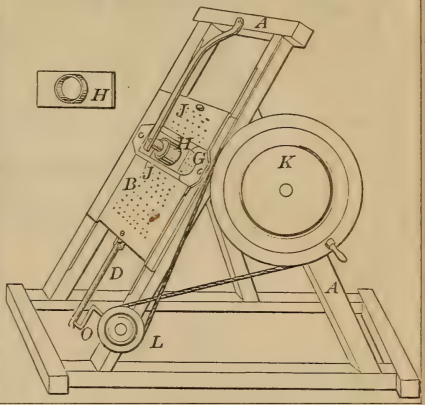
69148—J. Wood—*Ladies' Work Table.*



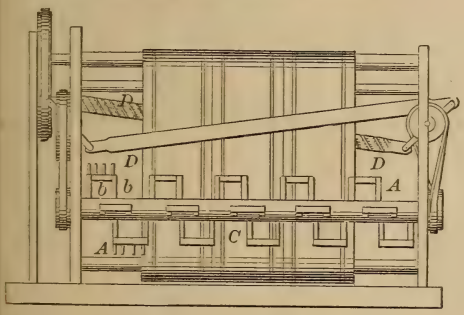
69149—A. B. Woodbury—*Jack Spinning Machine.*



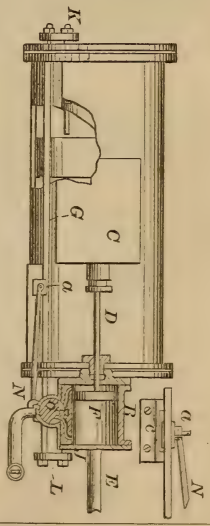
69150—C. Worden—*Nutmeg Grater.*



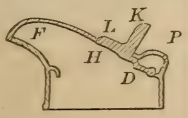
69152—G. W. Young—*Carpet Cleaner.*



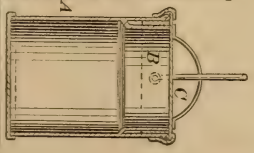
69153—R. Allison—*Steam Engine.*



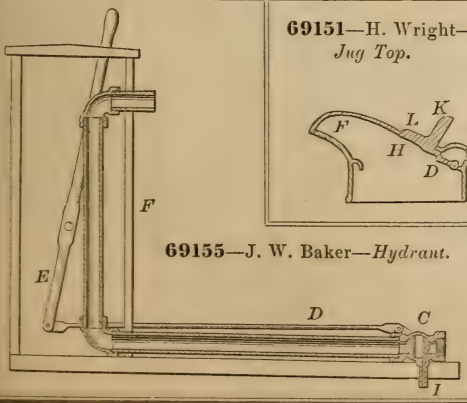
69151—H. Wright—*Jug Top.*



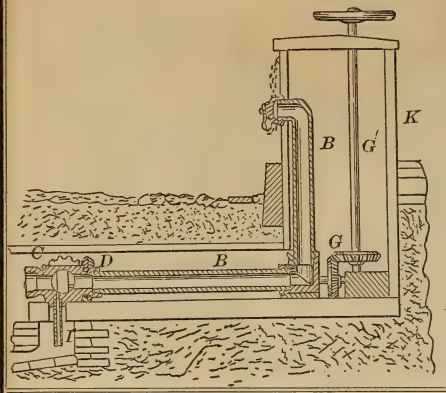
69154—A. D. Armstrong—*Can.*



69155—J. W. Baker—*Hydrant.*

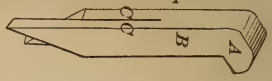


69156—J. W. Baker—*Fire Plug.*

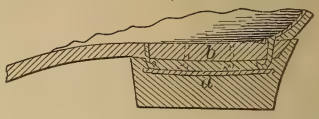


69157—J. Baldwin—*Cutlery.*

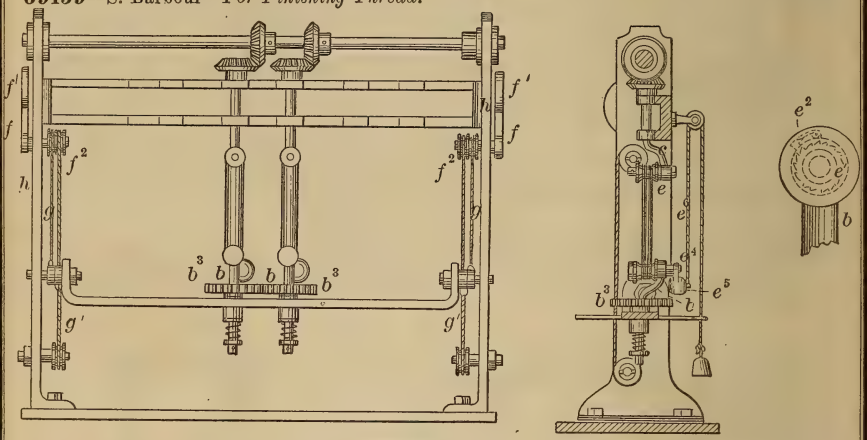
69158—J. Balmer—*Spike.*



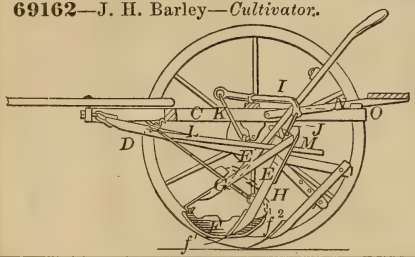
69163—J. F. Barrett—*Rubber Boot Heel*



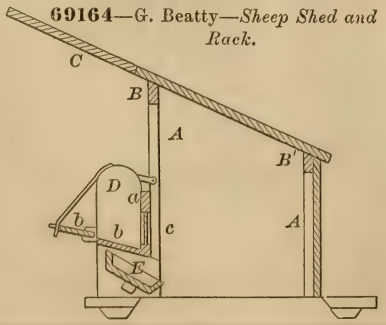
69159—S. Barbour—*For Finishing Thread.*



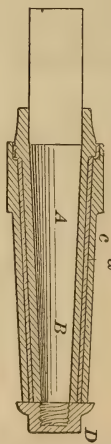
69162—J. H. Barley—*Cultivator.*



69164—G. Beatty—*Sheep Shed and Rack.*

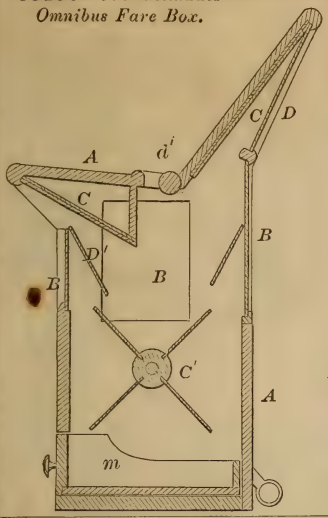


69160—S. Barker—*Axle Box.*

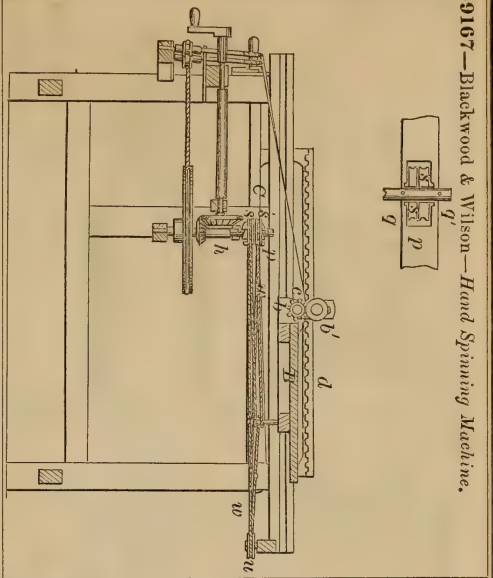


69161—J. H. Barley—*Cane Stripper.*

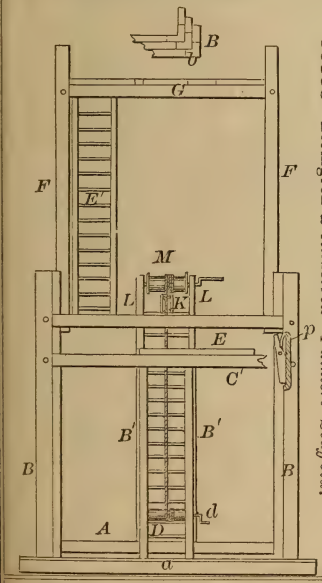
69166—J. Blackadder—*Omnibus Fare Box.*



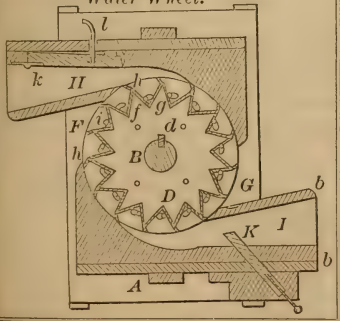
69167—Blackwood & Wilson—*Hand Spinning Machine.*



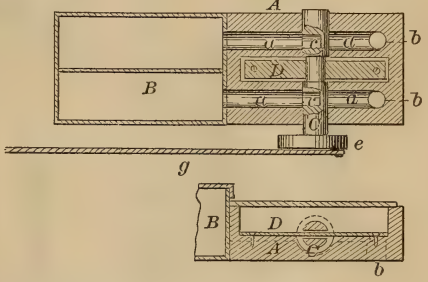
69168—Blomgren & Andersen—*Painters' Scaffold.*



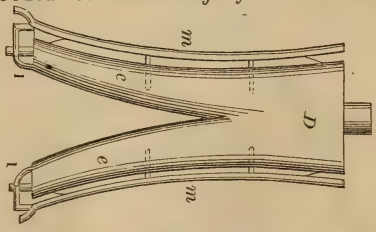
69169—L. W. & R. A. Blood—*Water Wheel.*



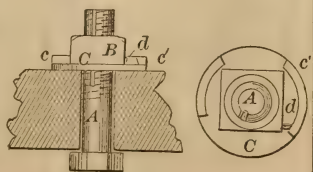
69170—T. Bradley—*Hand Seeder.*



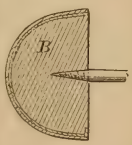
69171—J. Braum—*Dryer for Scoured Clothes.*



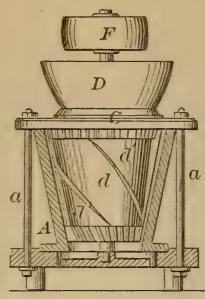
69173—C. Buckley, Jr.—*Nut Fastener.*



69172—J. B. Brown—*Hat Block.*

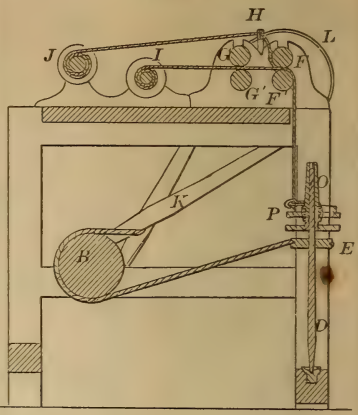


69174—J. Burns—*Grinding Mill*

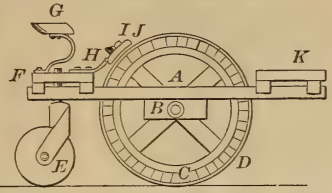


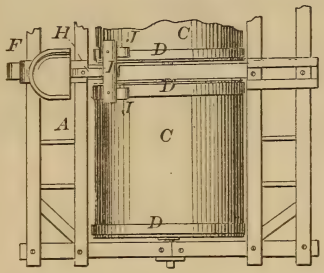
69177—H. S. Carley—*Bottle.*

69178—S. Chase—*For Making Clouded Yarn.*



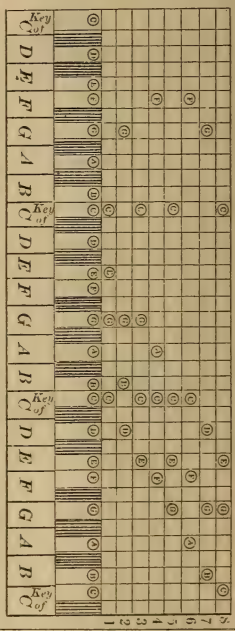
69175—G. R. Burt—*Land Roller.*



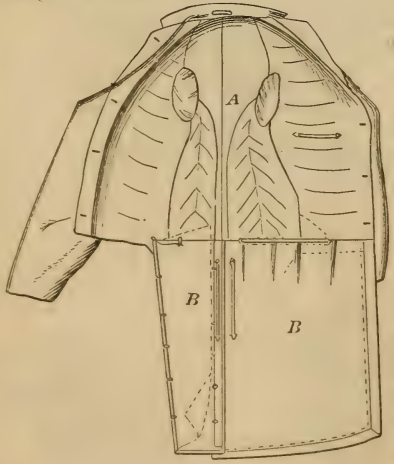


69176—W. Campbell—*Window Shade Fixture.*

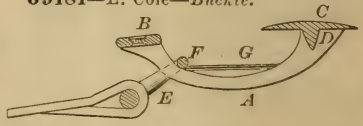
69179—J. C. Clime—*For Teaching Music.*



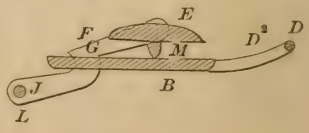
69180—P. Cohen—*Coat.*



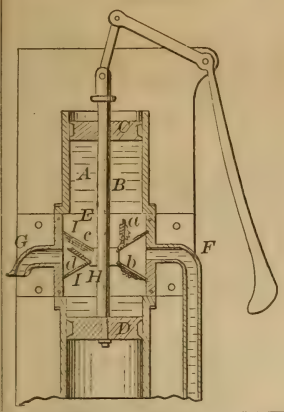
69181—E. Cole—*Buckle.*



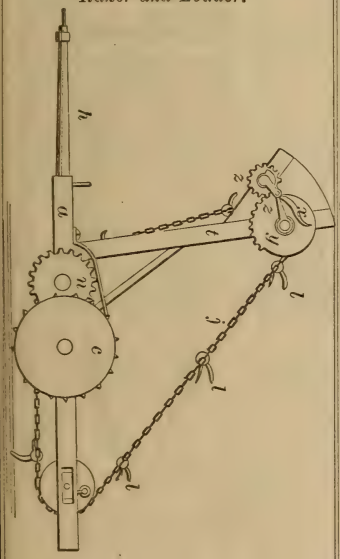
69182—E. Cole—*Buckle.*



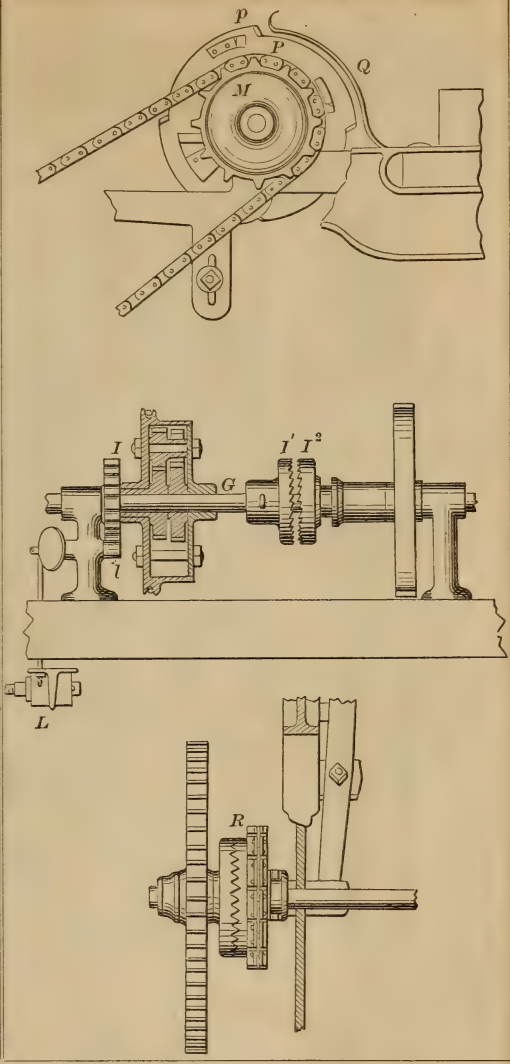
69183—G. M. Cole—*Pump.*



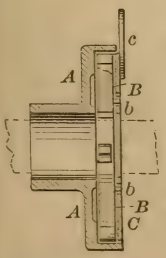
69187—L. D. Copeland—*Hay Raker and Loader.*



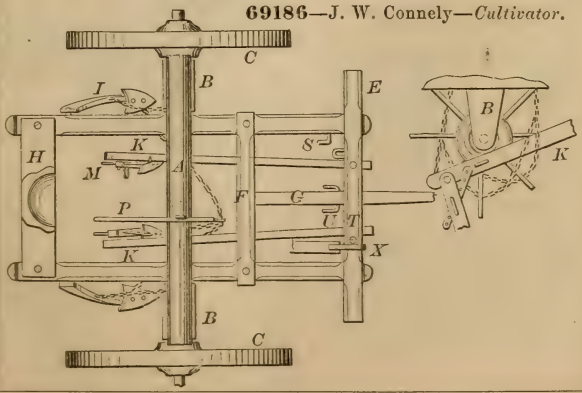
69188—H. Crossman—*Self-Acting Mule.*



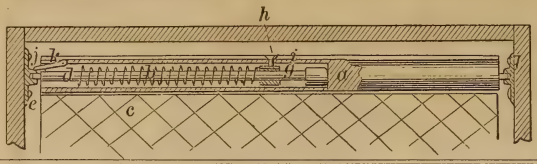
69184—W. T. Cole—*Check.*



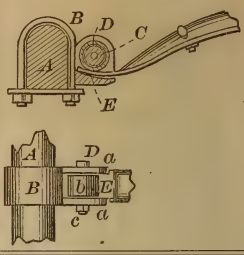
69186—J. W. Connely—*Cultivator.*



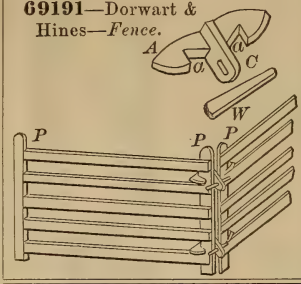
69189—J. David—*Curtain Fixture.*



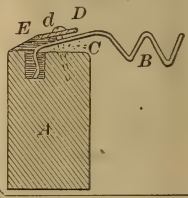
69190—L. Derby—*Thill Coupling.*



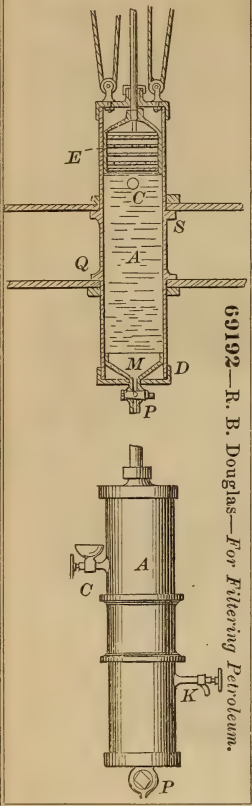
69191—Dorwart & Hines—*Fence.*



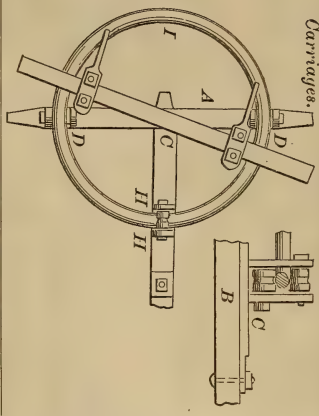
69193—J. Dreusike—*Bed Bottom.*



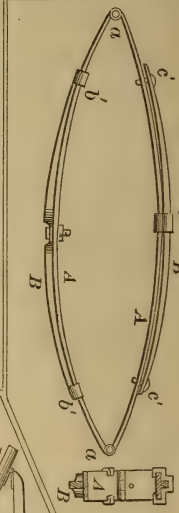
69192—R. B. Douglas—*For Filtering Petroleum.*



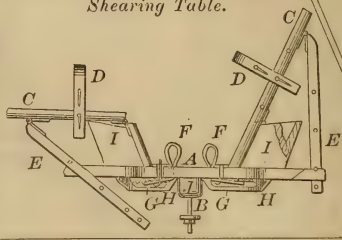
69194—T. A. Edmison—*Turning Plate for Carriages.*



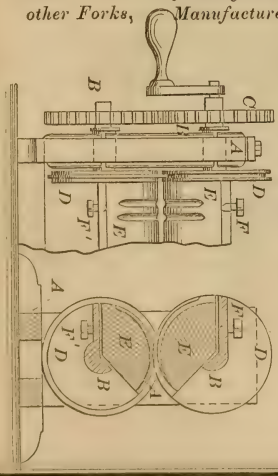
69197—W. H. English—*Carriage Spring.*



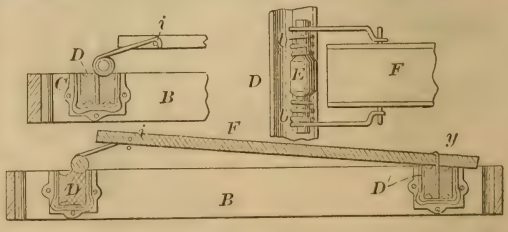
69195—W. Ellyson—*Sheep Shearing Table.*



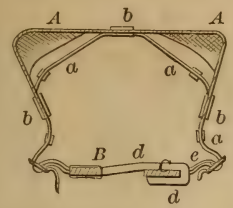
69196—G. B. Ely—*Hay and other Forks, Manufacture.*



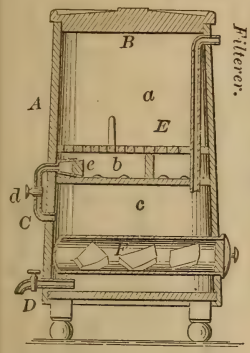
69198—E. E. Everitt—*Spring Bed Bottom.*



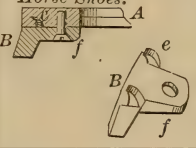
69199—S. Ferris—*Horse Blinder.*



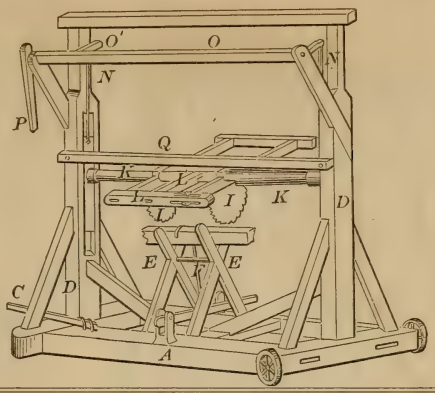
69200—H. W. Fisher—*Cooler and Filterer.*



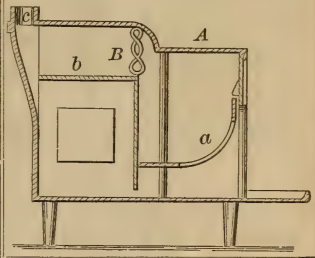
69201—J. Forbes—*Attaching Calks to Horse Shoes.*



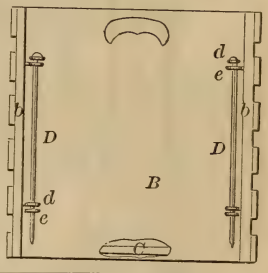
69202—H. C. Freeman—*Sawing Machine.*



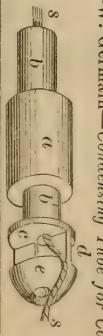
69203—J. Garrison—*Cook Stove.*



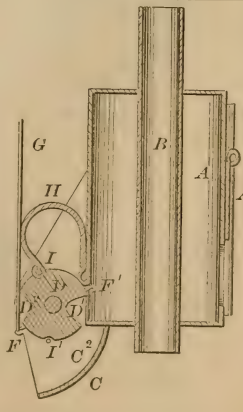
69204—F. Gearing—*Market Box.*



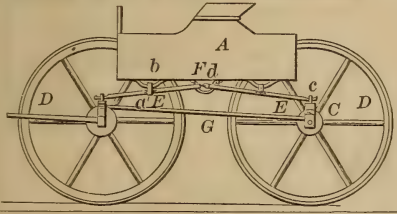
69205—W. Germain—*Condensing Tube for Carding Machines.*



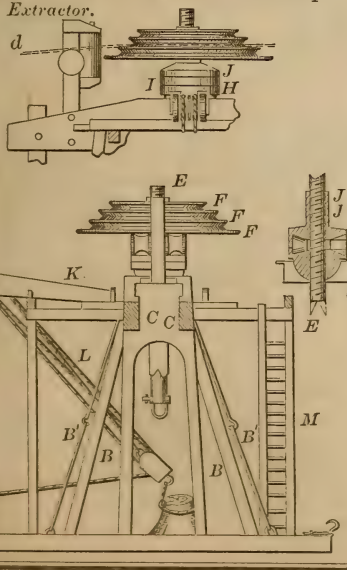
69207—Harper & Partridge—*Seed Dropper.*



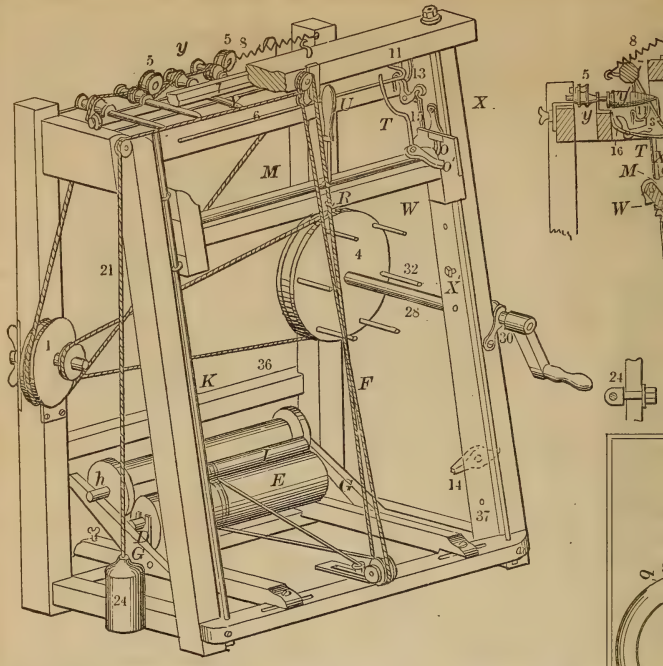
69208—C. P. Hawley—*Wagon Spring.*



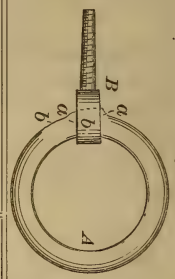
69209—Hazen & Hitchcock—*Stump Extractor.*



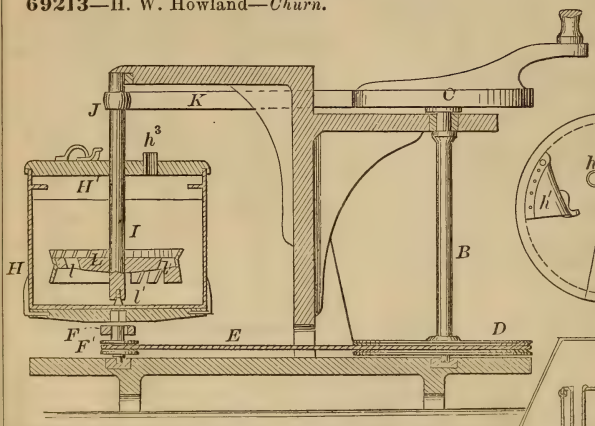
69211—Hoover & Hadley—*Spinning Machine.*



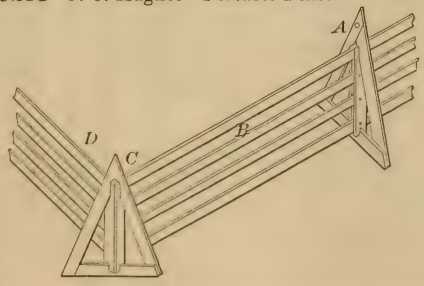
69212—J. P. Howell—*Hitching Ring.*



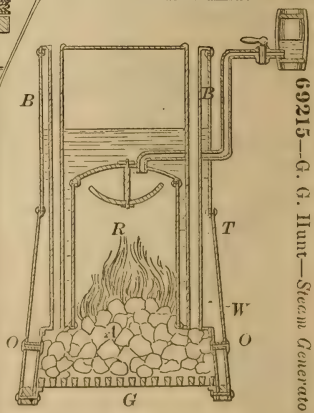
69213—H. W. Howland—*Churn.*



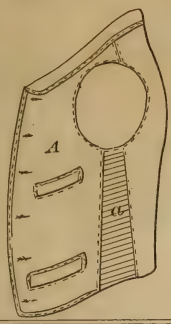
69214—J. C. Hughes—*Portable Fence.*



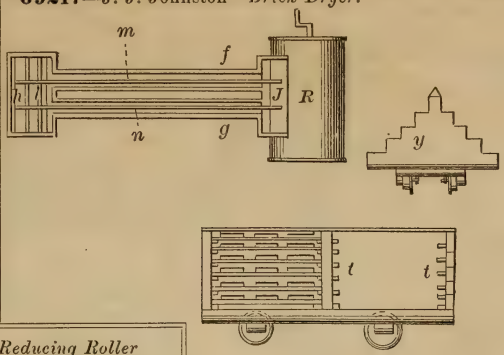
69215—G. G. Hunt—*Steam Generator.*



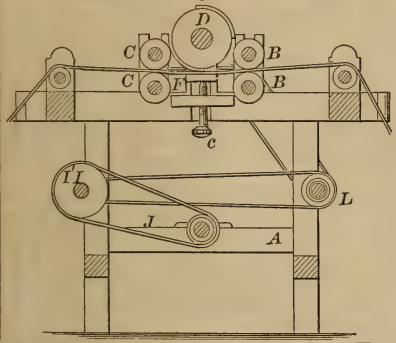
69216—S. W. Huntington—*Vest.*



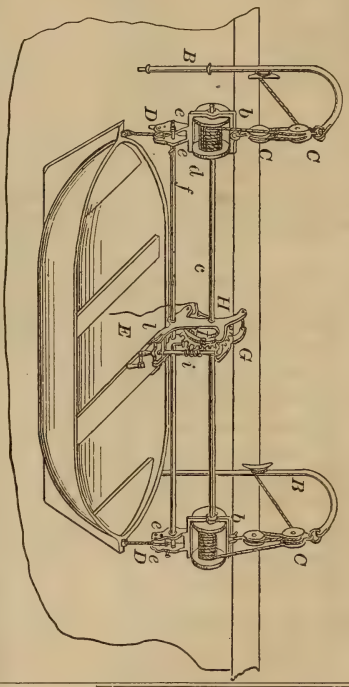
69217—J. J. Johnston—*Brick Dryer.*



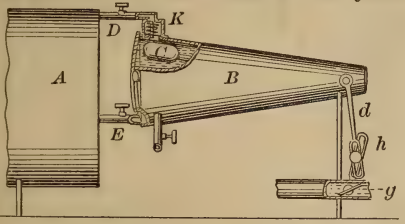
69219—W. C. Joslin—*For Reducing Roller Leather to a Uniform Thickness.*



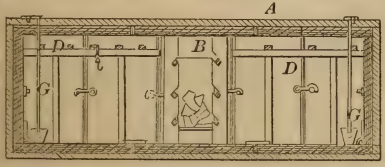
69220—M. Joyce—*Boat Lowering and Detaching Apparatus.*



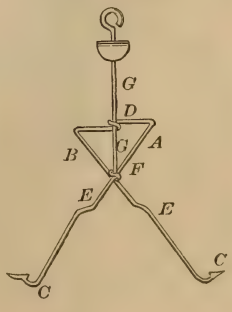
69218—R. J. Jordan—*Boiler Water Regulator.*



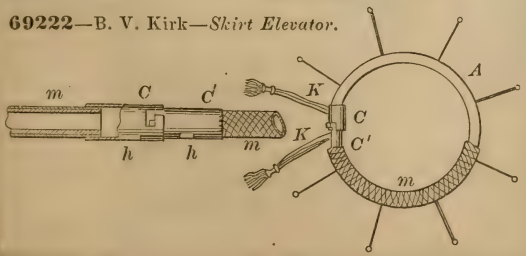
69223—Le G. Kniffen—*Refrigerator Car.*



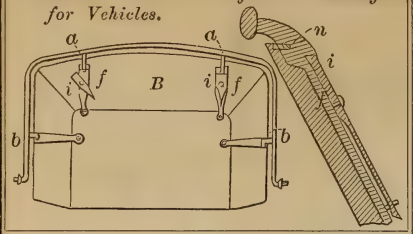
69221—D. Kidder—*Spring Fish Hook.*



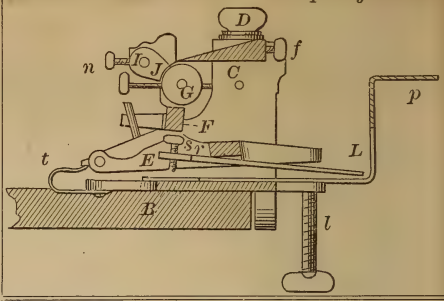
69222—B. V. Kirk—*Skirt Elevator.*



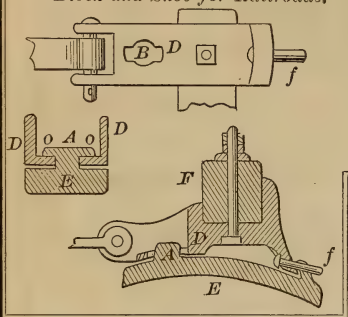
69224—C. Krebs—*Adjustable Railing for Vehicles.*



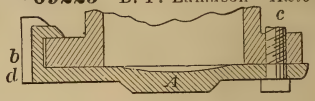
69229—W. Mannheim—*For Tapering Leather.*



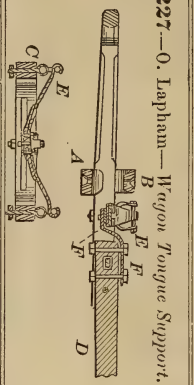
69226—Lamason & Murray—*Brake Block and Shoe for Railroads.*



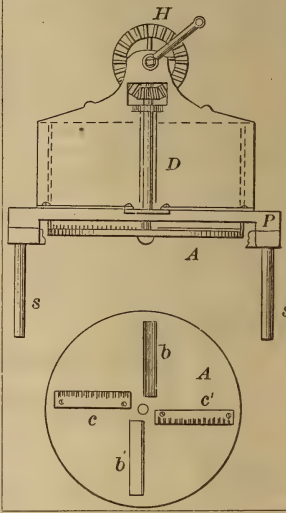
69225—B. P. Lamason—*Axle Box.*



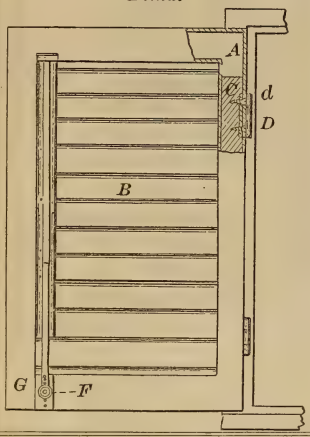
69227—O. Lapham—*Wagon Tongue Support.*



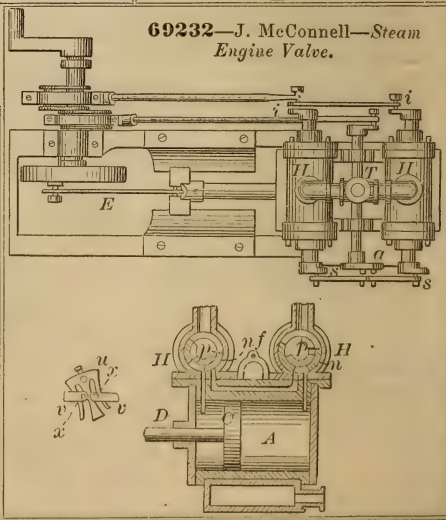
69228—H. Liebmann—*Vegetable Slicer.*



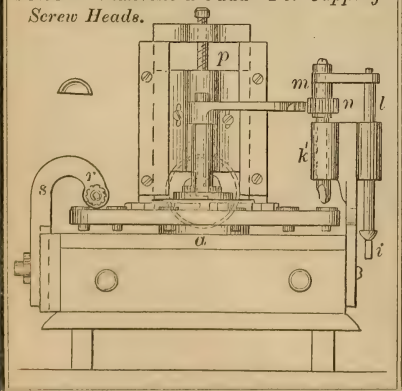
69231—C. K. Marshall—*Window Blind.*



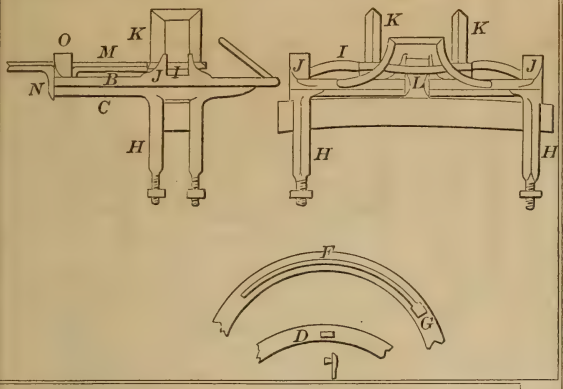
69232—J. McConnell—*Steam Engine Valve.*



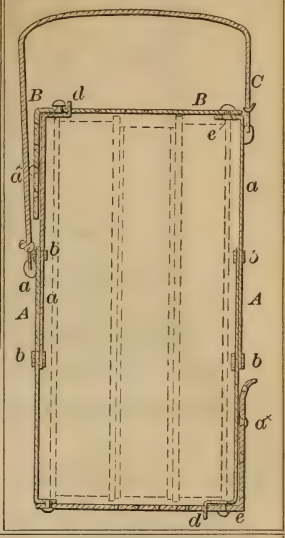
69230—Manville & Judd—*For Capping Screw Heads.*



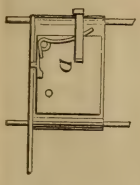
69233—J. R. McGuire—*Carriage Circle.*

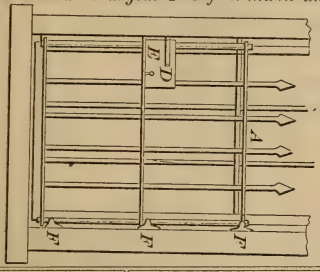


69234—J. W. McKee—*Clamp Strap for School Books.*

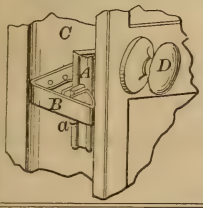


69236—Miller & Mund—*Burglar Proof Window and Door Grate.*

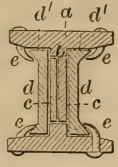




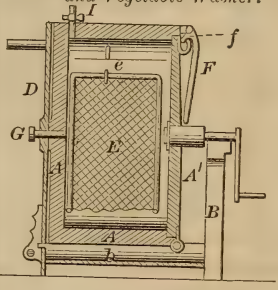
69235—W. A. Messler—*Door Holder.*



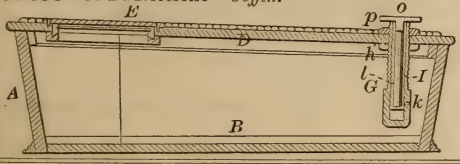
69237—W. W. Miller—*Fagot for Beams.*



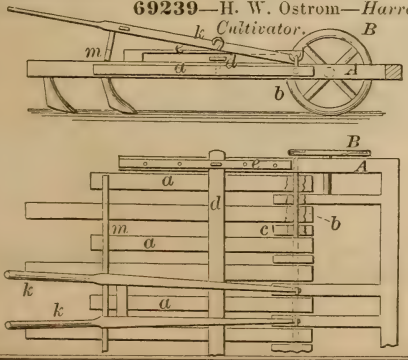
69240—J. N. Paddack—*Dish and Vegetable Washer.*



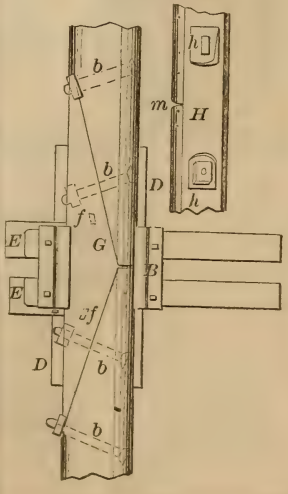
69238—J. D. Nietsche—*Coffin.*



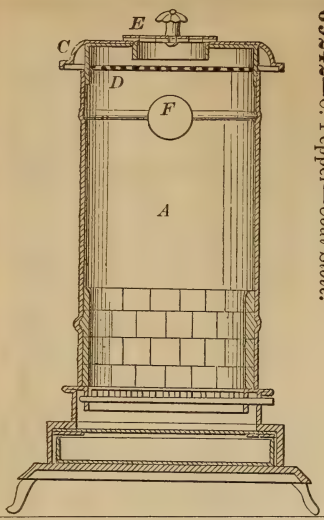
69239—H. W. Ostrom—*Harrow Cultivator.*



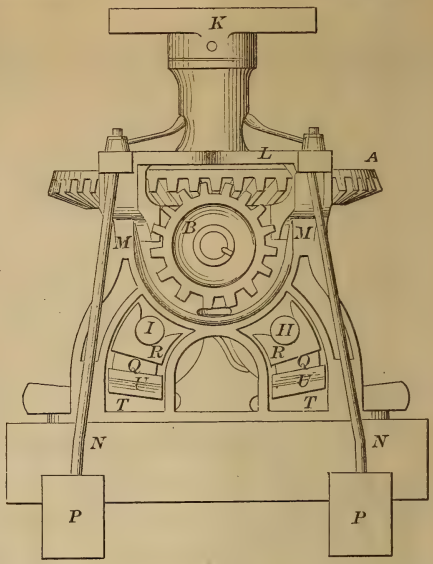
69241—G. Palmer—*Joint and Railroad Rail.*

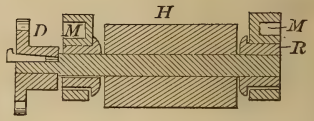
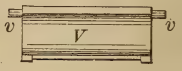


69242—C. Pepper—*Coal Stove.*

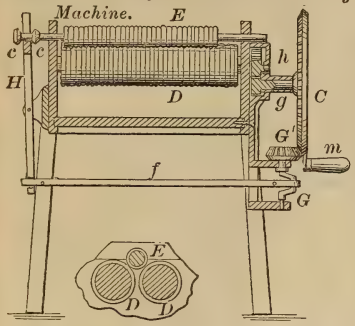


69244—Powers & Stevens—*Sugar Cane Mill.*

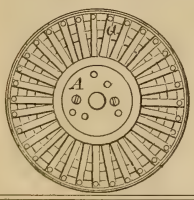


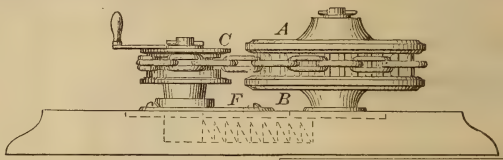


69246—J. H. Quackenbush—*Washing Machine.*

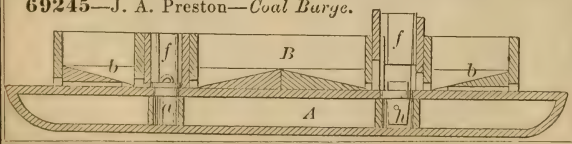


69243—S. Perry—*Chain Wheel for Chain Horse Power.*

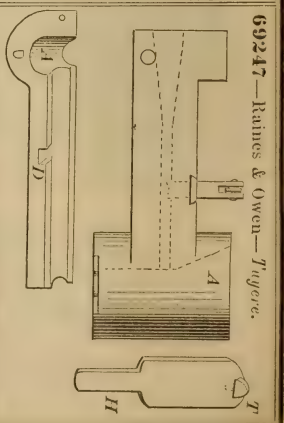




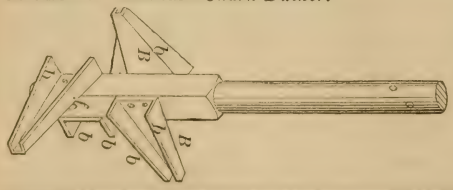
69245—J. A. Preston—*Coal Barge.*



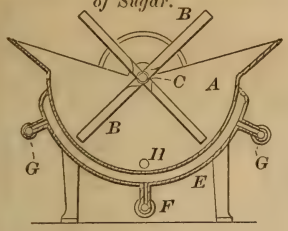
69247—Raines & Owen—*Tuyere.*



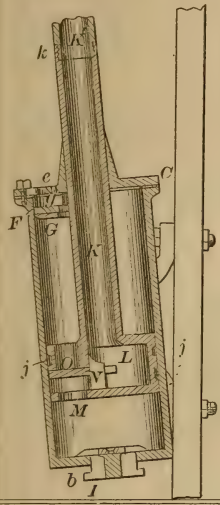
69248—F. Ransom—*Churn Dasher.*



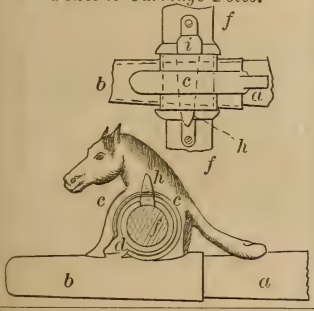
69249—I. W. Reid—*Manufacture of Sugar.*



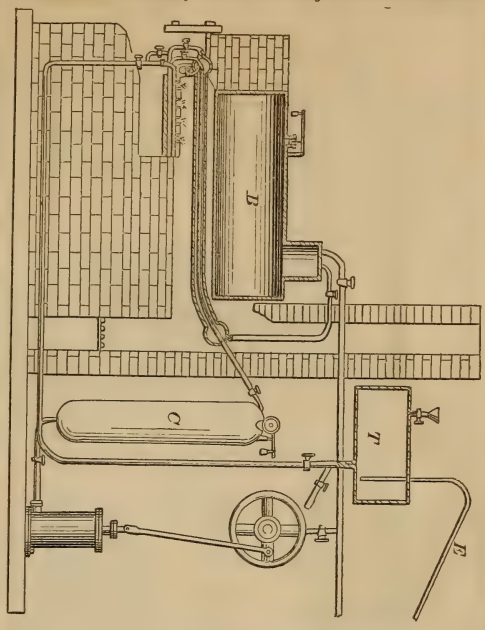
69250—A. J. Reynolds—*Pump.*



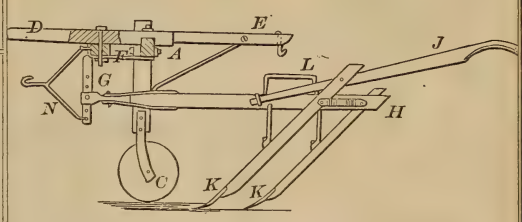
69251—U. Reynolds—*Attaching Yokes to Carriage Poles.*



69253—C. Saffray—*For Burning Crude Petroleum.*

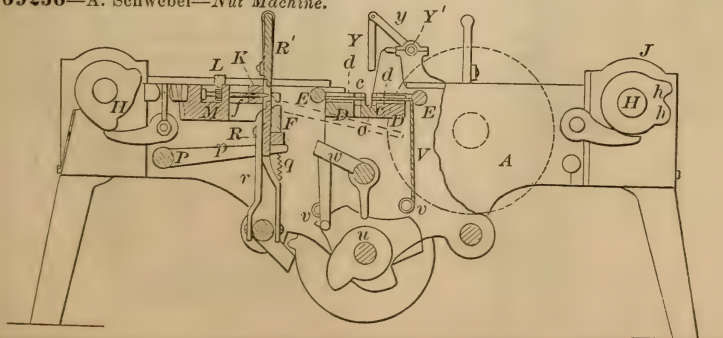


69255—J. Schröder—*Cultivator.*

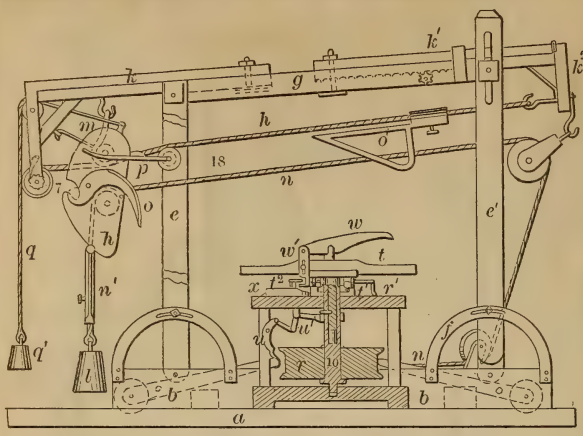


69254—M. Schall—*Candle Holder.*

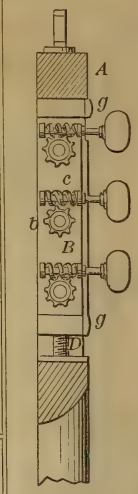
69256—A. Schwebel—*Nut Machine.*



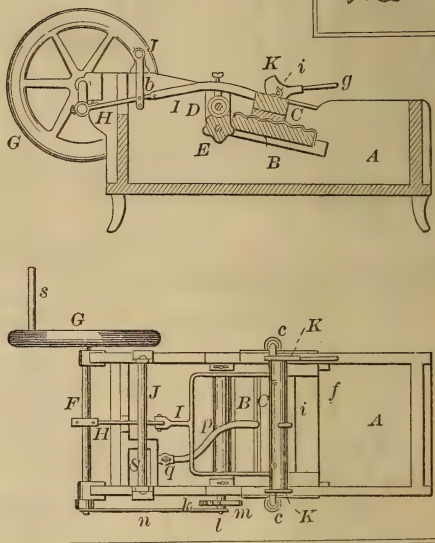
69257—E. U. & W. L. Scoville—*Hoisting Apparatus.*



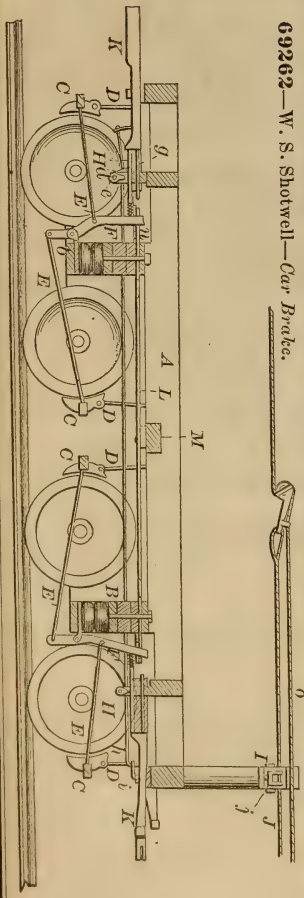
69259—H. Seehausen—*Tuning Attachment for Guitars.*



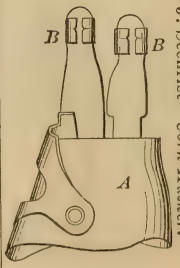
69261—H. F. Schnders—*Washing Machine.*



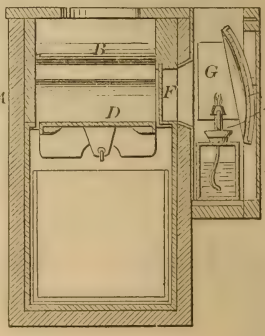
69262—W. S. Shotwell—*Car Brake.*



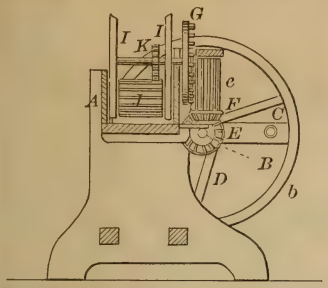
69258—J. Sechrist—*Corn Husker.*



69263—J. B. Slawson—*Omnibus Fare Box.*

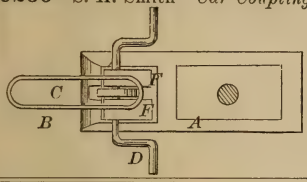


69264—D. A. Smith—*Straw Cutter.*

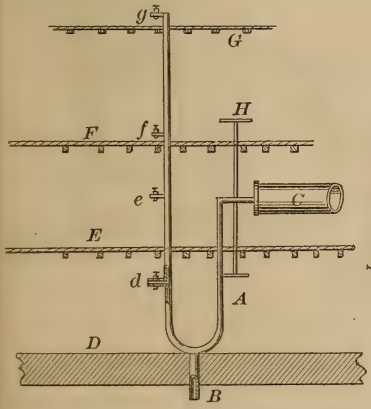


69265—L. S. Smith—*Peg Cutter.*

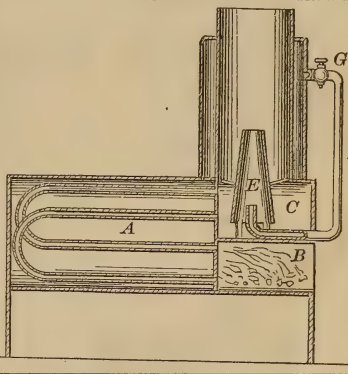
69266—S. H. Smith—*Car Coupling.*



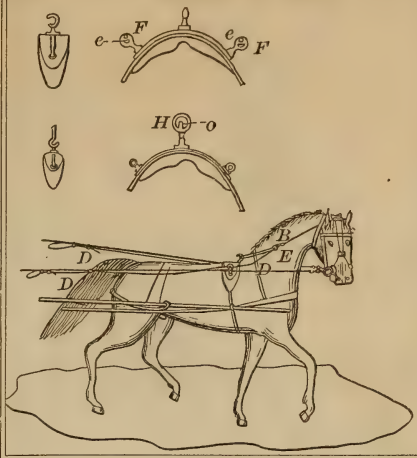
69267—D. Spooner—*For Extinguishing Fire in Steamships.*



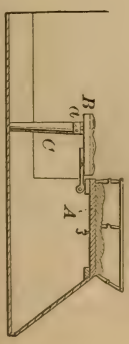
69268—W. H. Squires—*Steam Generator Blower.*



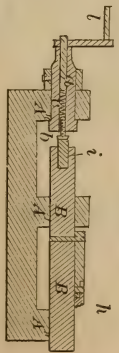
69269—I. Stanbery—*Safety Rein.*



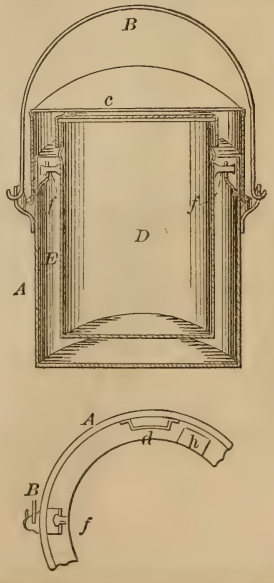
69270—A. E. Thayer—*Third Seat for Carriages.*



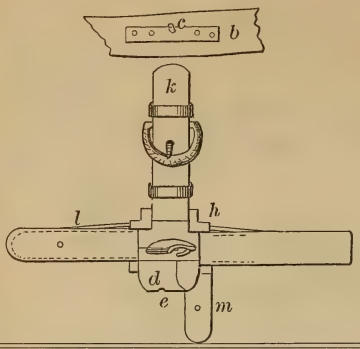
69271—Thompson & Walker—*For Necking Screw Caps.*



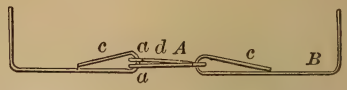
69272—J. S. Tibbals—*Lunch Box.*



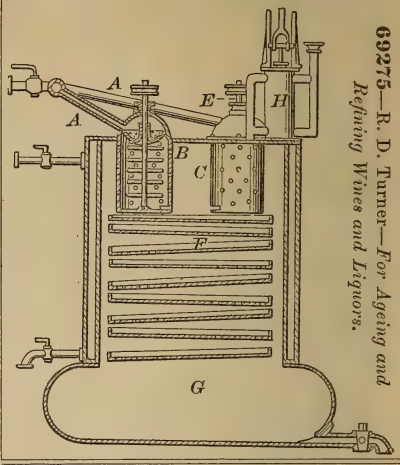
69273—W. H. Townsend—*Attaching Horses to Carriages.*



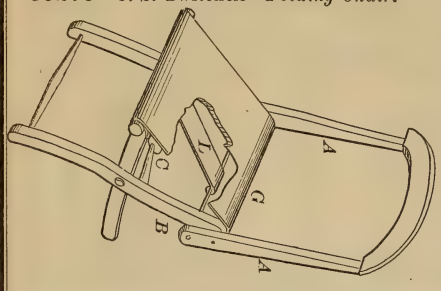
69274—J. W. Truman—*Cotton Bale Tie.*



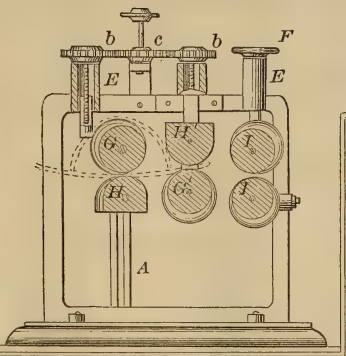
69275—R. D. Turner—*For Ageing and Refining Wines and Liquors.*



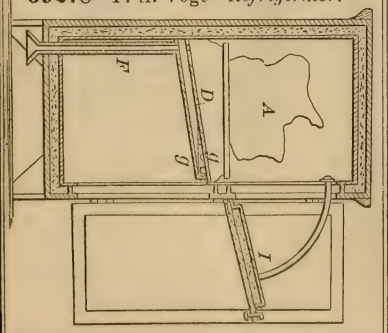
69276—C. S. Twitchell—*Folding Chair.*



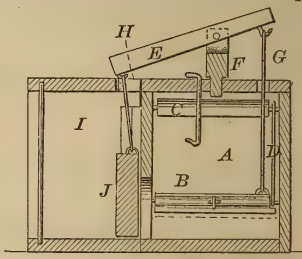
69277—P. W. Vail—*For Pouncing Hats.*



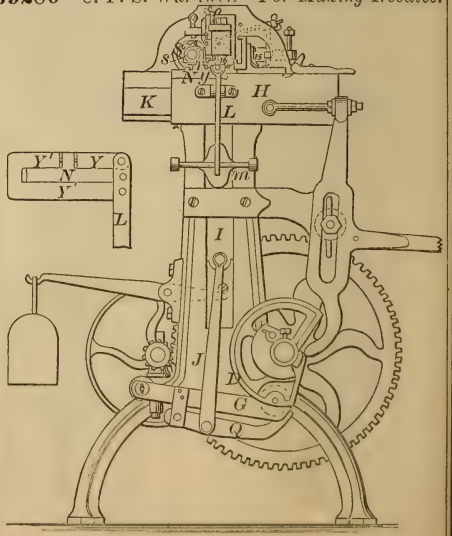
69278—P. A. Vogt—*Refrigerator.*



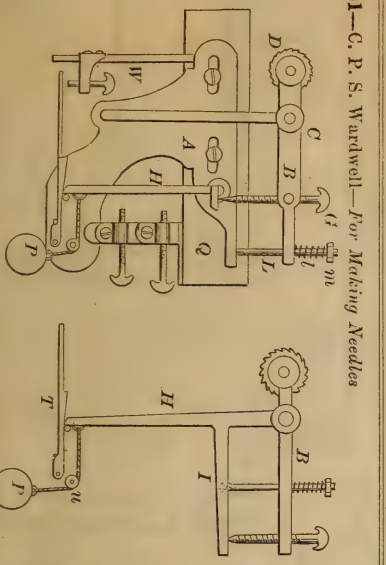
69279—S. Ward—*Animal Trap.*



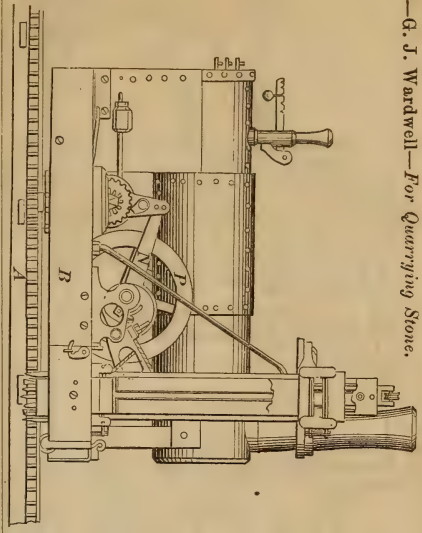
69280—C. P. S. Wardwell—*For Making Needles.*



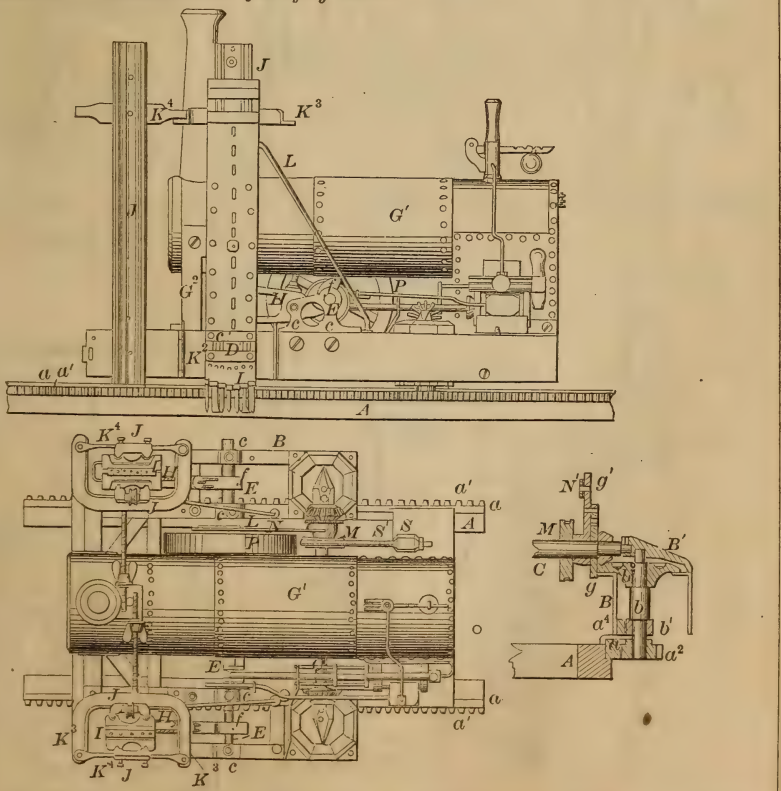
69281—C. P. S. Wardwell—*For Making Needles*



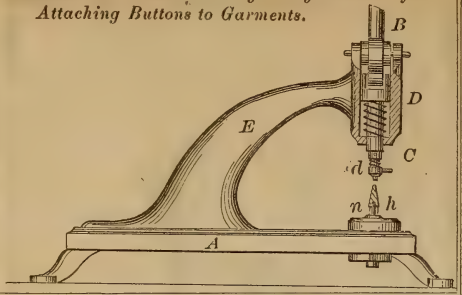
69282—G. J. Wardwell—*For Quarrying Stone.*



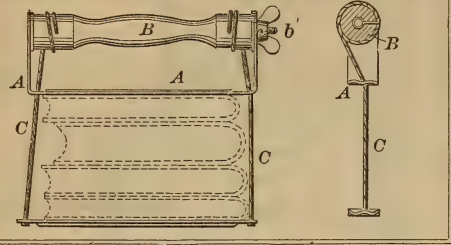
69283—G. J. Wardwell—*For Quarrying Stone.*



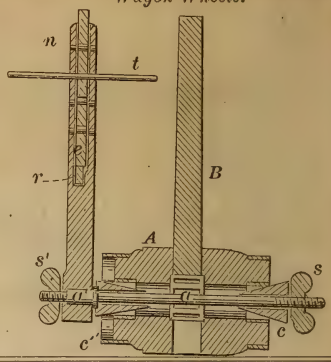
69284—E. J. Warner—*Eyeleting Machine for Attaching Buttons to Garments.*



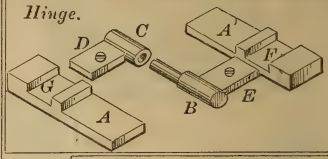
69285—W. C. Watson—*Clamp for School Books.*



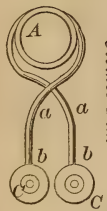
69286—F. J. Weber—*For Making Wagon Wheels.*



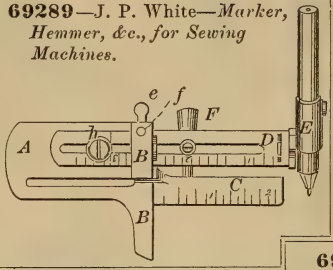
69287—W. S. Weed—*Reversible Butt Hinge.*



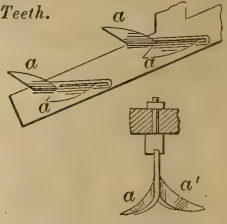
69288—Wells & Hawse—*Clothes Pin.*



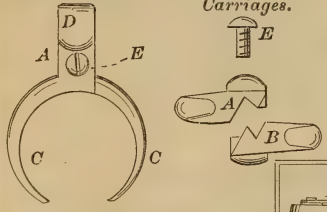
69289—J. P. White—*Marker, Hemmer, &c., for Sewing Machines.*



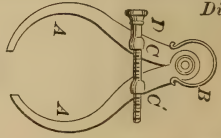
69290—F. R. Willson—*Harrow Teeth.*



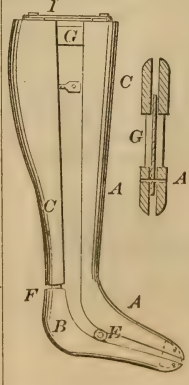
69291—F. Wood—*Securing Whip Sockets to Carriages.*



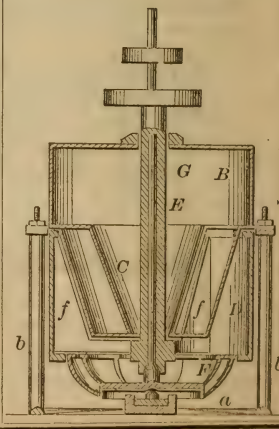
69292—E. Wright—*Calipers and Dividers.*



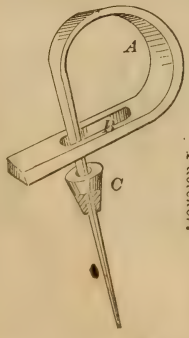
69293—S. J. Wright—*Stretcher for Hosiery.*



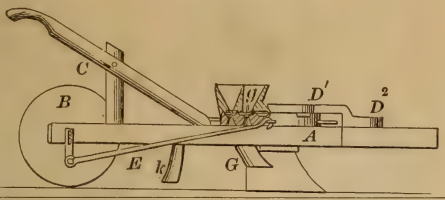
69294—L. D. Wynkoop—*Water Wheel.*



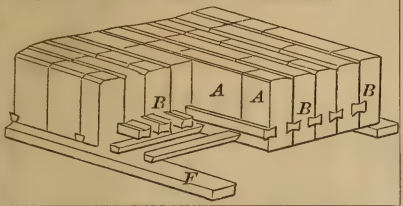
69295—Zeller & Lechner—*Bag Fastener.*



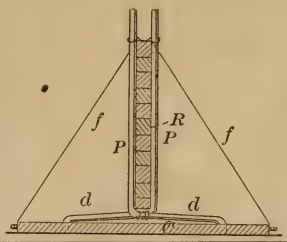
69296—E. L. Bergstresser—*Corn Planter.*



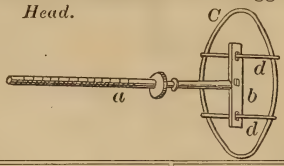
69297—C. W. Stafford—*Pavement.*



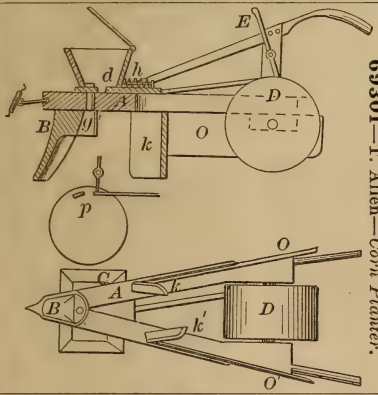
69299—G. W. Adams—*Fence.*



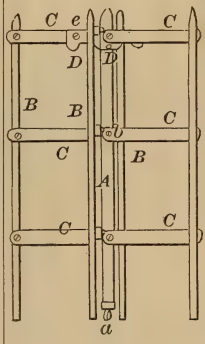
69300—Alexander & Kellogg—*Broom Head.*



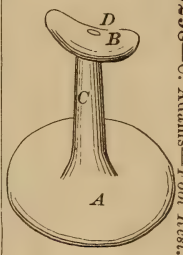
69301—T. Allen—*Corn Planter.*



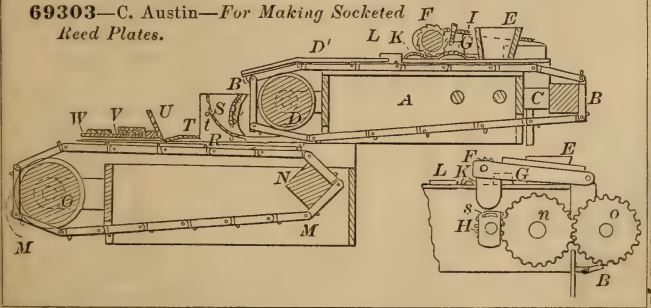
69302—I. B. Arnold—*Clothes Dryer.*



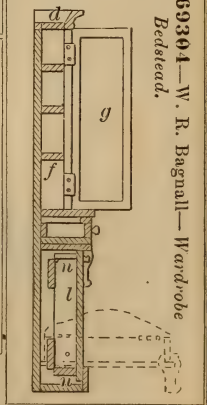
69298—C. Adams—*Foot Rest.*



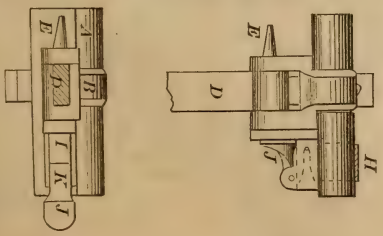
69303—C. Austin—*For Making Socketed Reed Plates.*



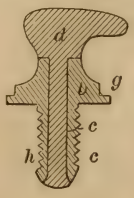
69304—W. R. Bagnall—*Wardrobe Bedstead.*



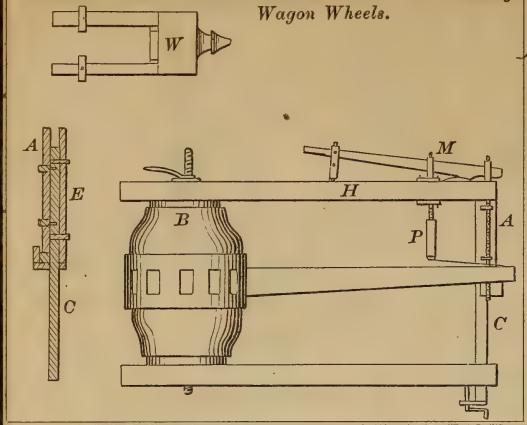
69305—J. P. Barrick—*Carriage Shaft Coupling.*



69306—W. P. Bateman—*Carriage Button.*

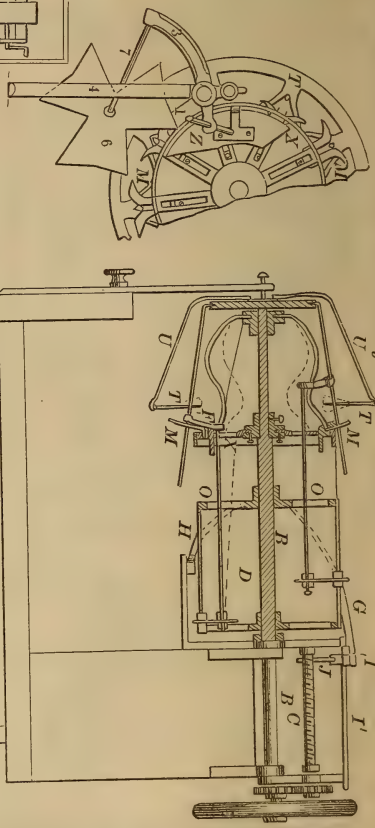


69307—Beswick, Richardson & Brown—*For Making Wagon Wheels.*

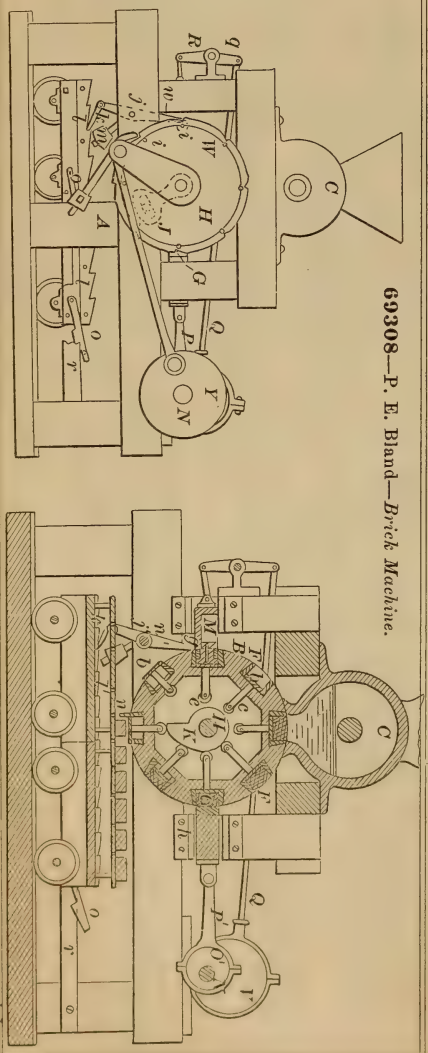


69310—J. C. Brown—*Cane Stripper.*

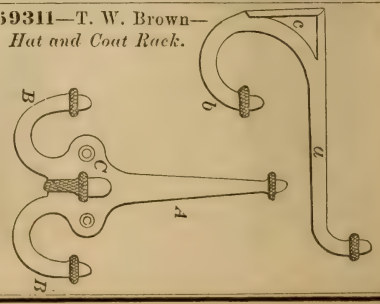
69309—F. H. Brown—*For Weaving Baskets.*



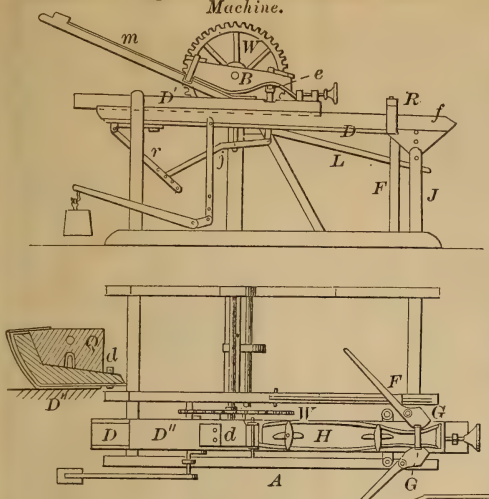
69308—P. E. Bland—*Brick Machine.*



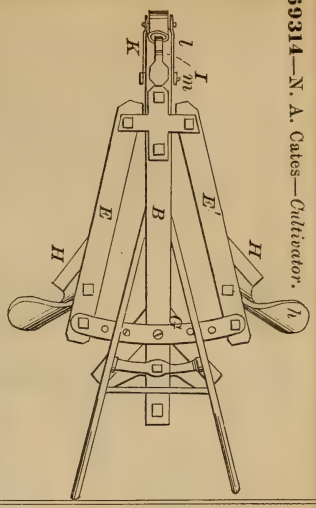
69311—T. W. Brown—*Hat and Coat Rack.*



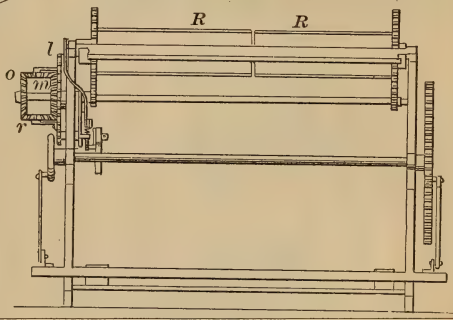
69313—Catchpole & Havens—*Wood Bending Machine.*



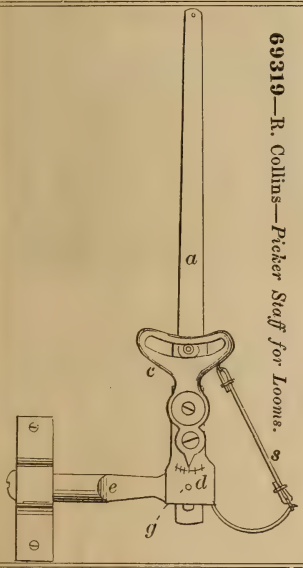
69314—N. A. Cates—*Cultivator.*



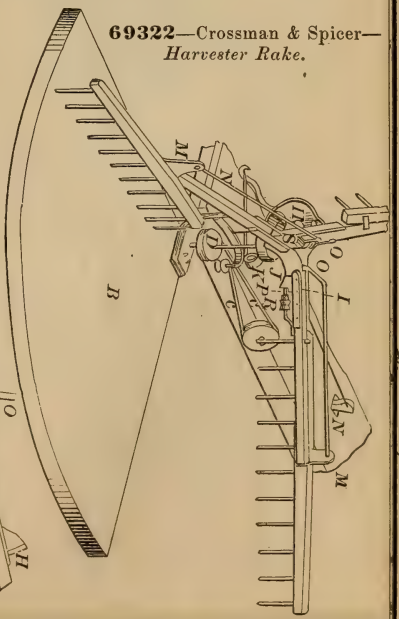
69320—Cottrell & Draper—*Loom.*



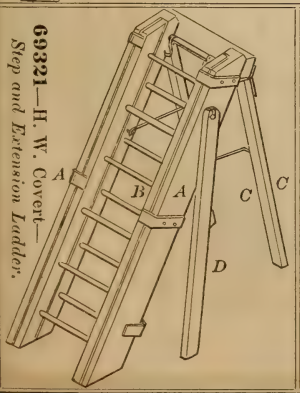
69319—R. Collins—*Picker Staff for Looms.*

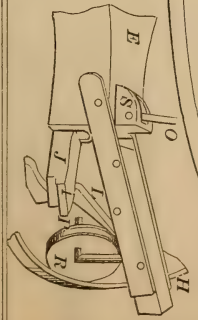


69322—Crossman & Spicer—*Harvester Rake.*

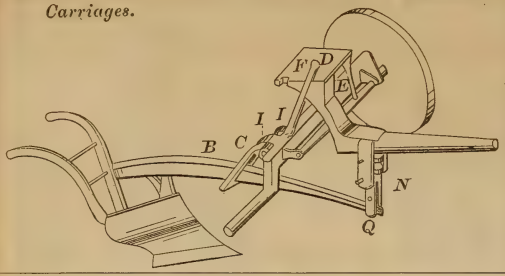


69321—H. W. Covert—*Step and Extension Ladder.*

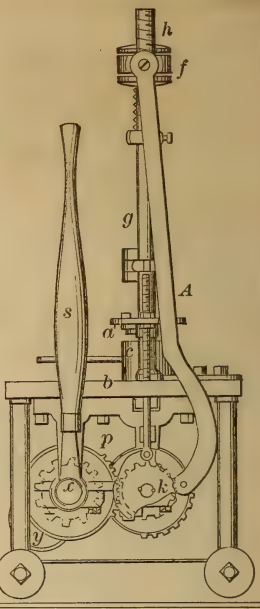




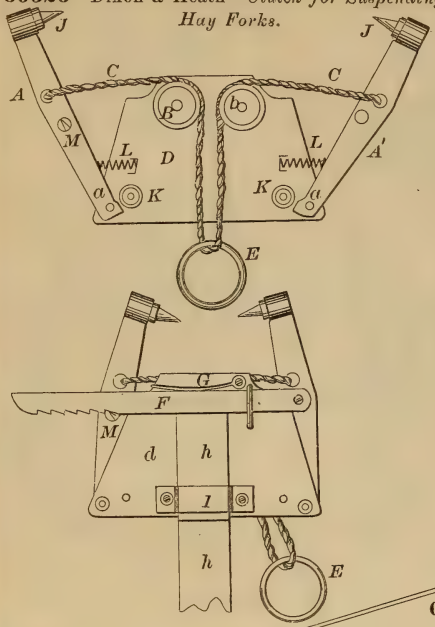
69323—M. S. Curtiss—*Coupling Plows to Wheeled Carriages.*



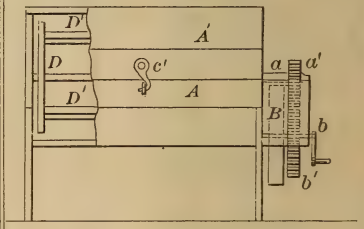
69325—H. Dillaway—*Glassware Press.*



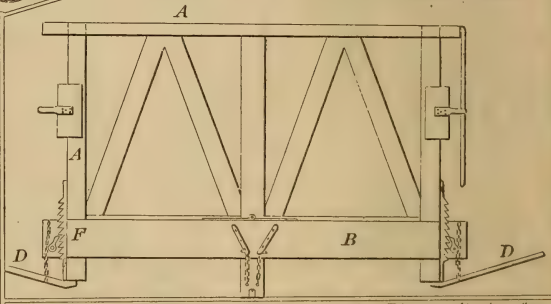
69326—Dixon & Heath—*Clutch for Suspending Hay Forks.*



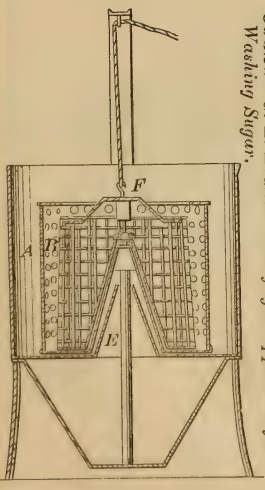
69324—W. Davis—*Churn.*



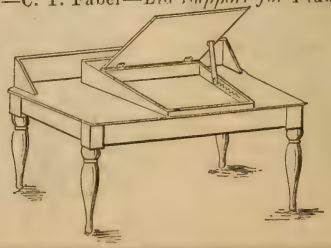
69327—W. Dunn—*For Stretching Hides.*



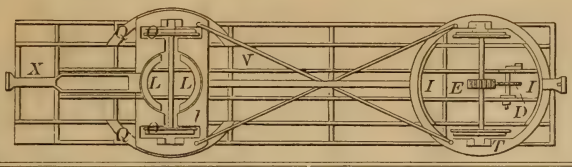
69328—G. E. Evans—*Centrifugal Apparatus for Washing Sugar.*



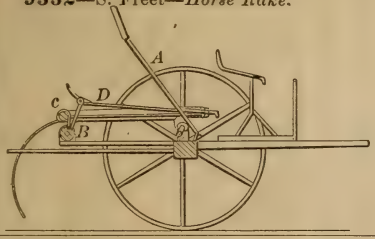
69329—C. T. Faber—*Lid Support for Pianos, Desks, &c.*



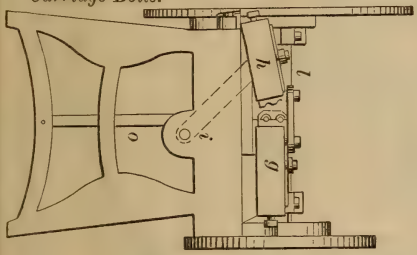
69330—H. B. Fernald—*Railway Truck.*



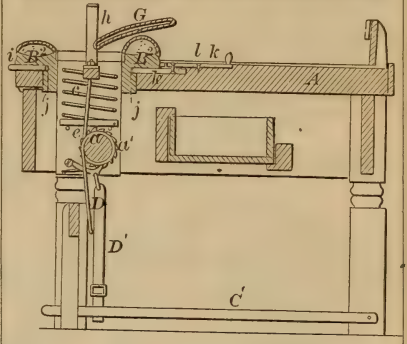
9332—S. Freet—*Horse Rake.*

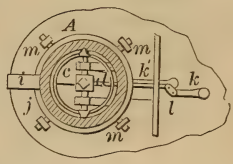


69333—Frisbie & Upson—*For Making Carriage Bolts.*

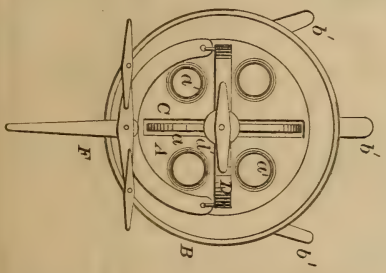


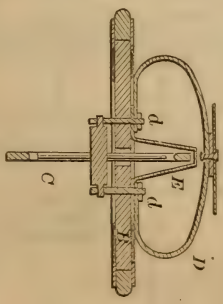
69334—B. Gantner—*Shoemakers' Bench.*

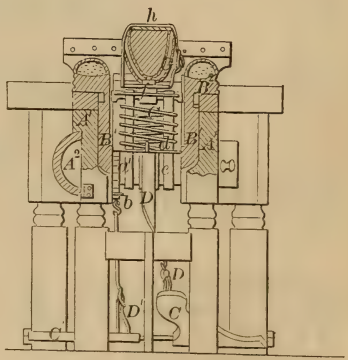


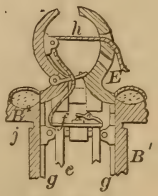


69335—J. Gehr—*Three Wheel Carriage.*

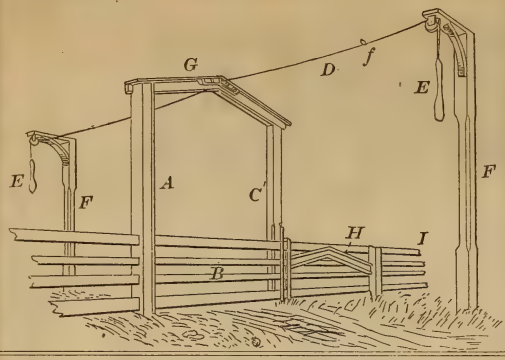




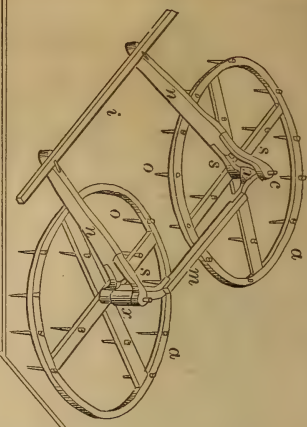




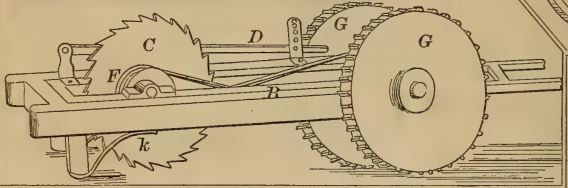
69336—R. J. Gilbert—*Gate.*



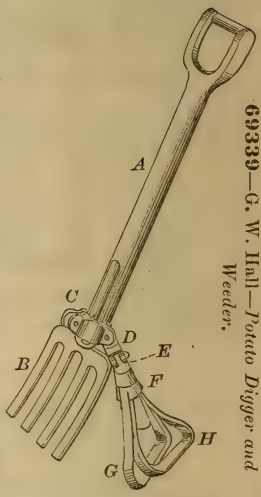
69340—G. W. Hall—*Double Rotary Harrow.*



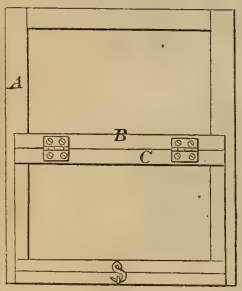
69338—G. B. Gruman—*For Cutting Ice.*



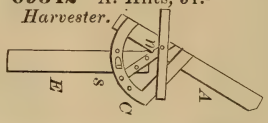
69339—G. W. Hall—*Potato Digger and Weeder.*



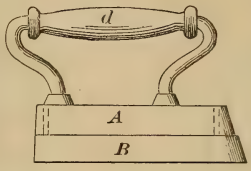
69343—A. E. Horton—*Mosquito Frame for Windows.*



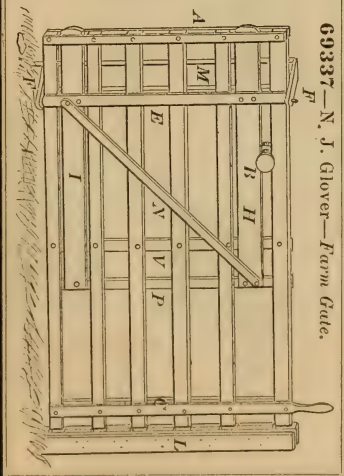
69342—A. Hilts, Jr.—*Harvester.*



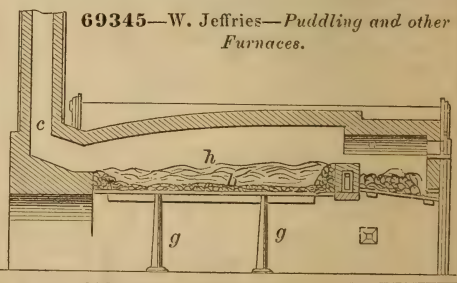
69344—A. Y. Hubbell—*Sad Iron.*



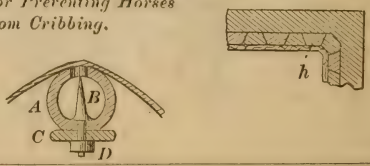
69337—N. J. Glover—*Farm Gate.*



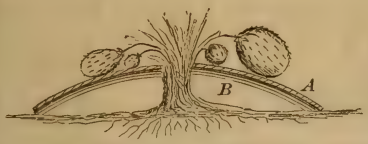
69345—W. Jeffries—*Puddling and other Furnaces.*



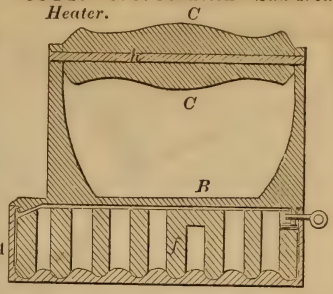
69341—G. G. Hickman—*For Preventing Horses from Cribbing.*



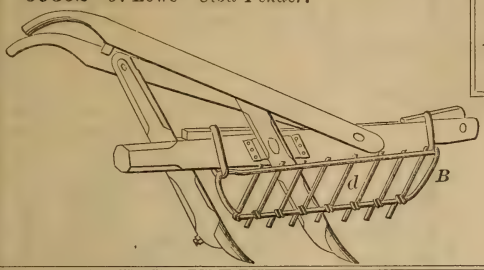
69346—C. Jillson—*Strawberry Ripener.*



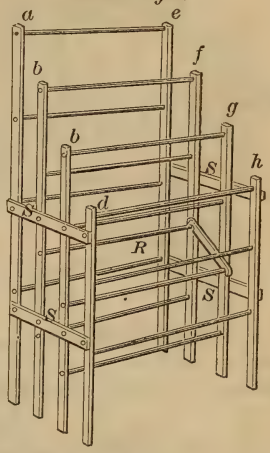
69347—J. J. Johnston—*Sad Iron Heater.*



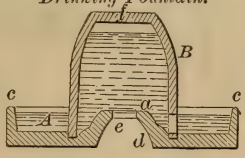
69352—J. Lowe—*Clod Fender.*



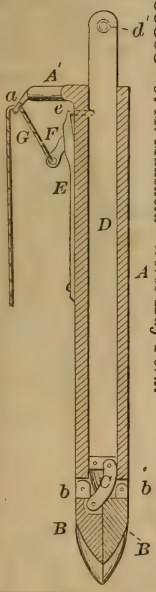
69349—King & Mason—*Clothes Dryer.*



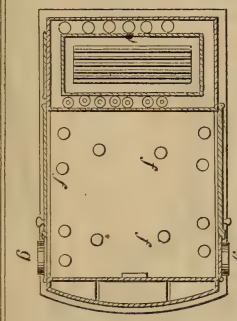
69351—G. H. Lomax—*Poultry Drinking Fountain.*



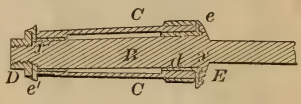
69353—J. M. Mansfield—*Horse Hay Fork.*



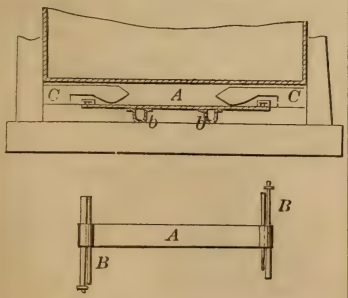
69355—M. Mead—*Cooking Stove.*



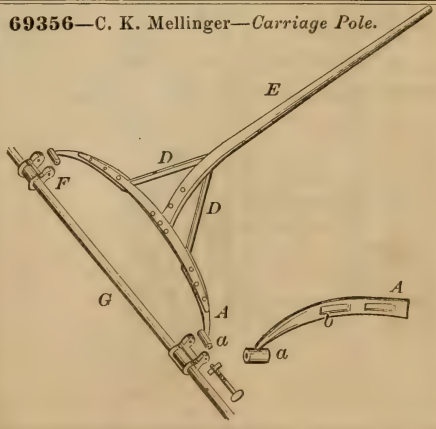
69350—S. D. Littlefield—*Axle.*



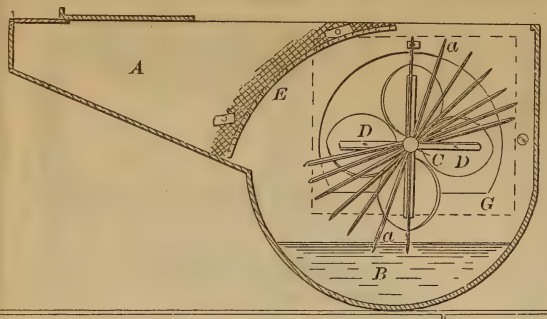
69354—J. McDuffie—*Wagon Spring.*



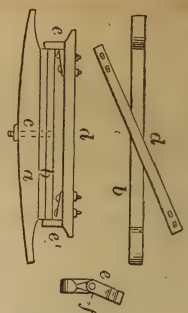
69356—C. K. Mellinger—*Carriage Pole.*



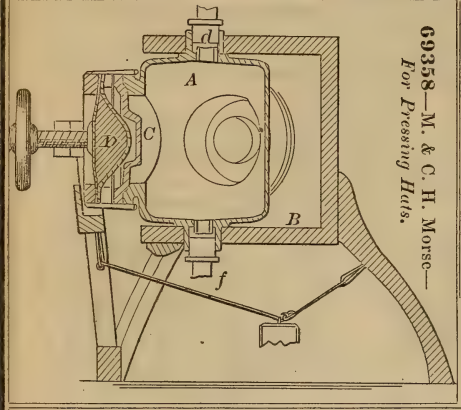
69357—J. H. Moore—*Railroad Car Ventilator.*



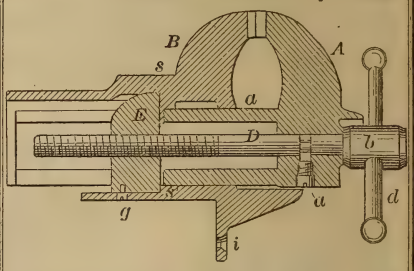
69362—W. Nevins—*Axle.*



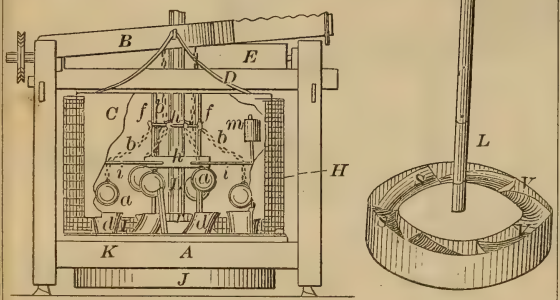
69358—M. & C. H. Morse—*For Pressing Hats.*



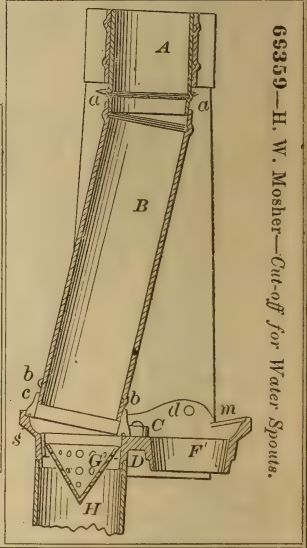
69361—J. H. Murray—*Vise.*



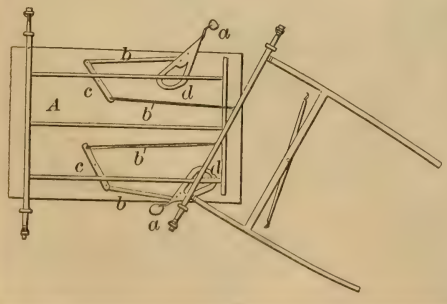
69360—J. Mumma—*Water Wheel.*



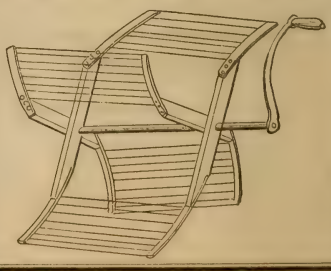
69359—H. W. Mosher—*Cut-off for Water Spouts.*



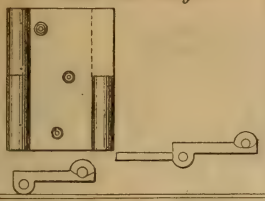
69364—Parker & Vogler—*Carriage Step.*



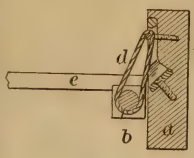
69363—M. A. Ober—*Churn Dasher.*



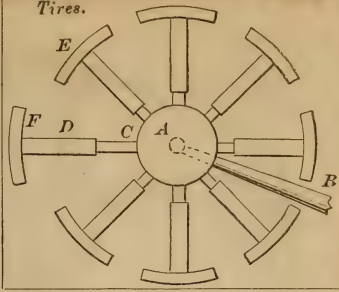
69365—M. Perry—*Loose Joint Butt Hinge.*



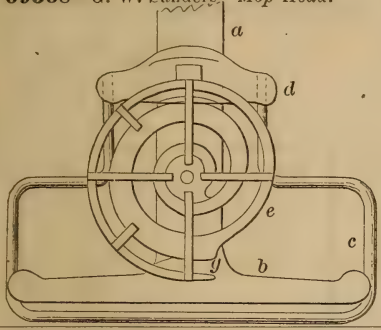
69366—T. Raser—*Bed Bottom.*



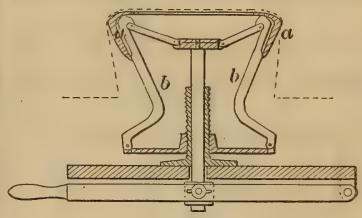
69367—C. H. Reno—*For Heating Tires.*



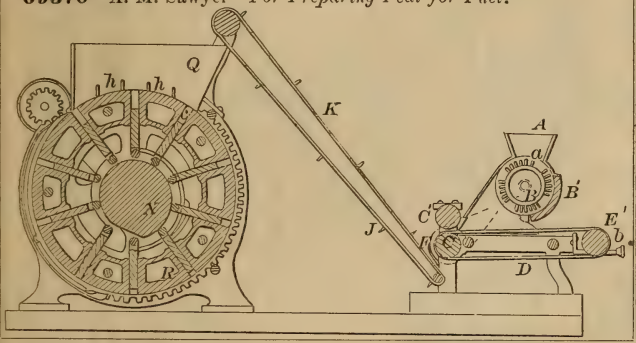
69368—G. W. Sanders—*Mop Head.*



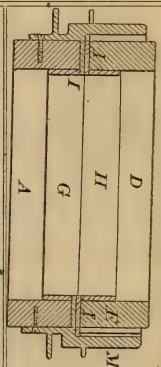
69371—J. Sheldon—*Hat Blocking Machine.*



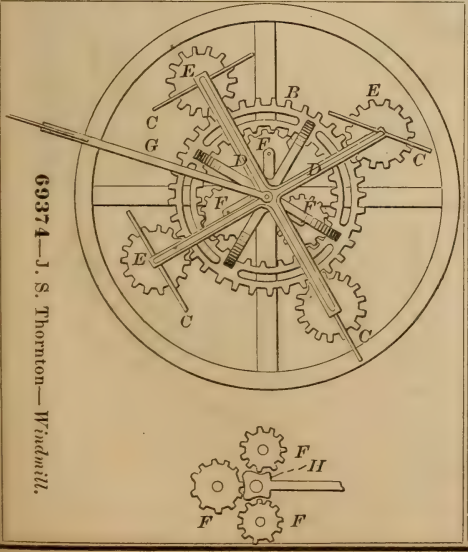
69370—A. M. Sawyer—*For Preparing Peat for Fuel.*



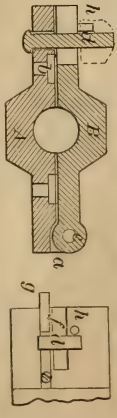
69372—G. P. Sisson—*Flask for Casting*



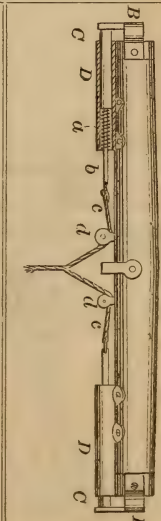
69374—J. S. Thornton—*Windmill.*



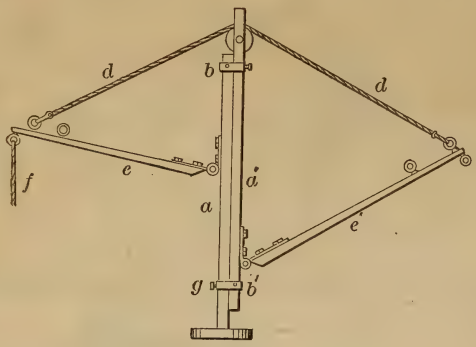
69373—Taylor & Fowler—*Journal Box.*



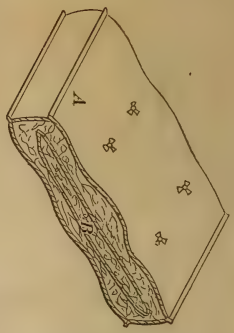
69369—H. & J. M. Saunders—*Hitching Device for Whiffletrees.*



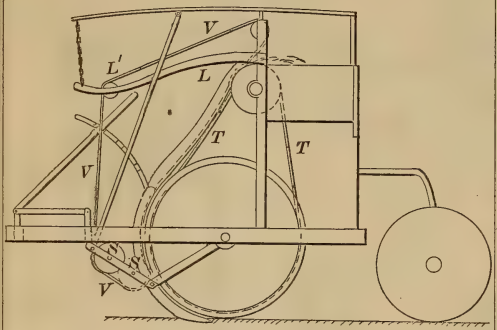
69375—I. V. Voorhis—*Hay Derrick.*



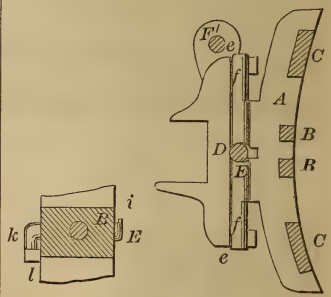
69376—B. F. Walton—*Mattress.*



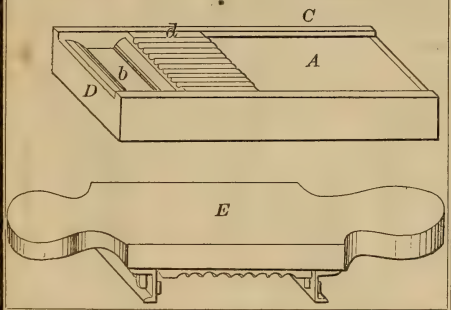
69378—E. H. & D. R. W. Williams—*Excavating Machine.*



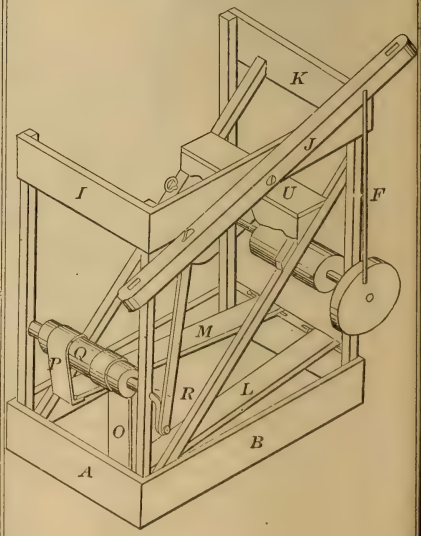
69377—I. P. Wendell—*Car Brake Shoe.*



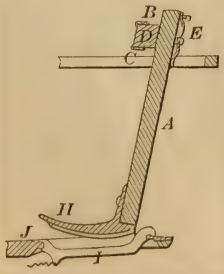
69379—A. H. Wirz—*Pill Machine.*



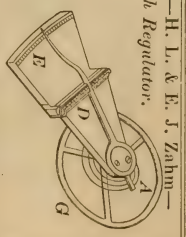
69382—W. C. Abbott—*Treadle for Propelling Machinery.*



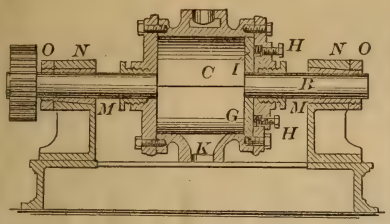
69380—E. Wright—*Picker for Looms.*

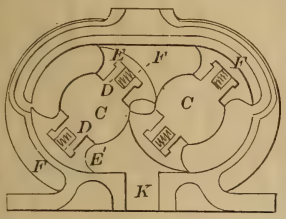


69381—H. L. & E. J. Zahm—*Watch Regulator.*

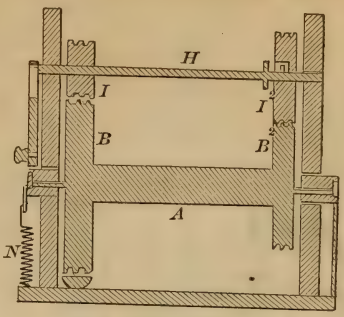


69383—M. L. Andrew—*Rotary Engine.*

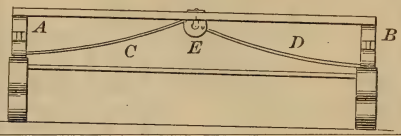




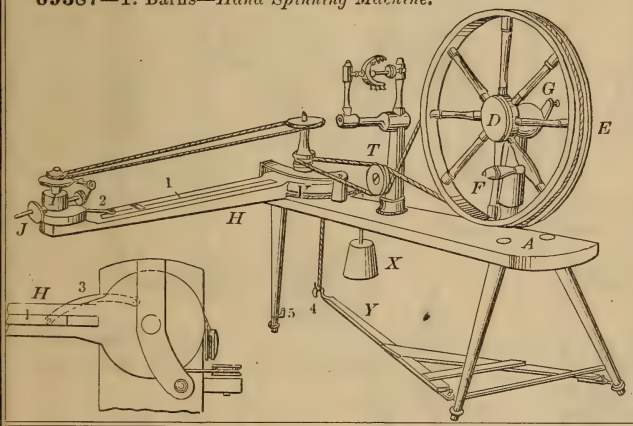
69384—W. D. Andrews—*Hoisting Apparatus.*



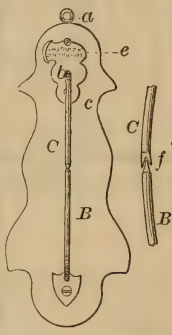
69386—M. Barker—*Elliptic Spring Brace.*



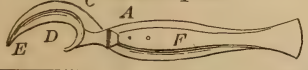
69387—T. Barns—*Hand Spinning Machine.*



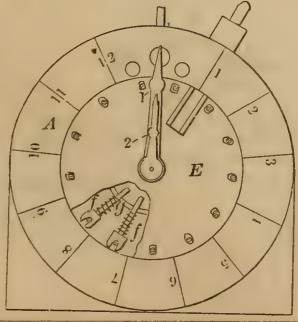
69385—F. Ashley—*Letter File.*

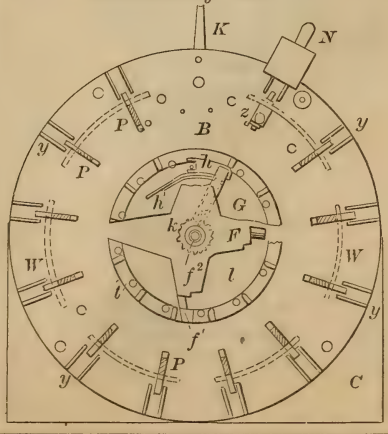


69388—G. C. Barney—*Eraser and Letter Opener.*

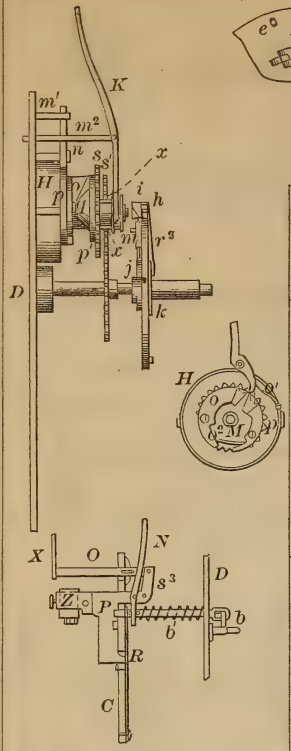


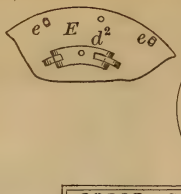
69389—Beardsley, Boyle, Lewis & Clancy—*For Recording Votes.*

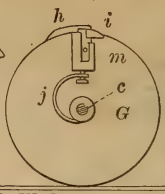




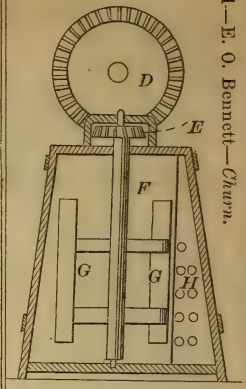
69389—*Continued.*



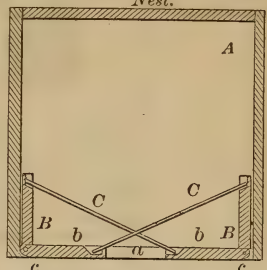




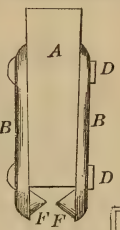
69391—E. O. Bennett—*Churn.*

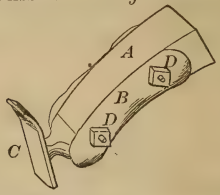


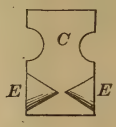
69392—C. W. Blackman—*Hen's Nest.*



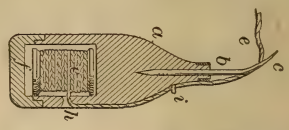
69394—S. S. Bliss—*Attaching Thills to Carriages.*



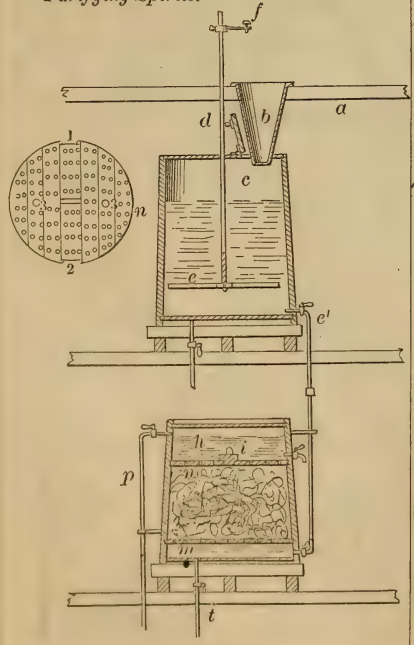




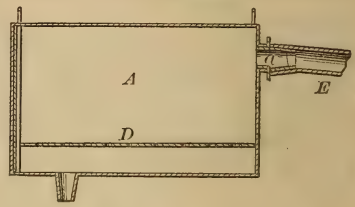
69395—C. K. Bradford—*Lasting Awl.*

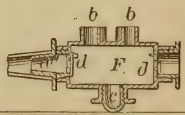


69390—W. F. Bearns—*For Filtering and Purifying Spirits.*

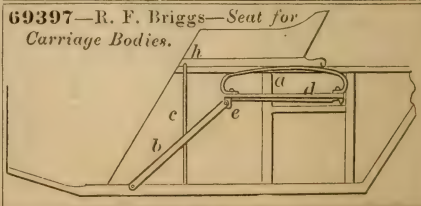


69396—Brayton & Curtis—*Respirator.*

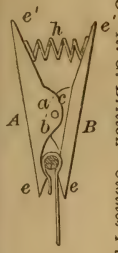




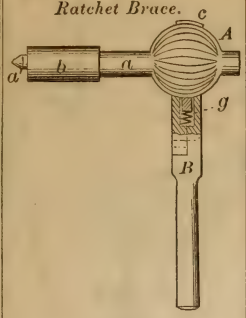
69397—R. F. Briggs—*Seat for Carriage Bodies.*



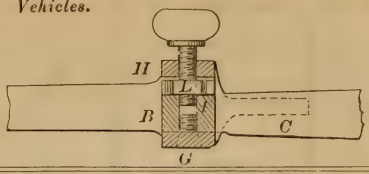
69398—R. G. Britton—*Clothes Pin.*



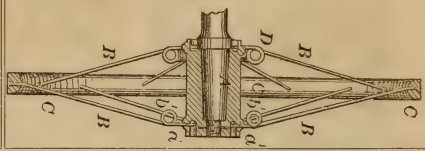
69399—W. Brown—*Ratchet Brace.*



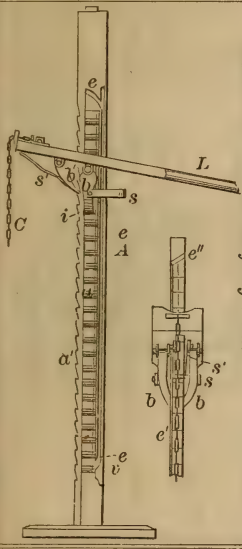
69402—E. M. Butler—*Attaching Thills to Vehicles.*



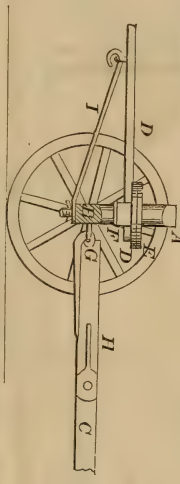
69403—J. G. Buzzell—*Carriage Wheel.*



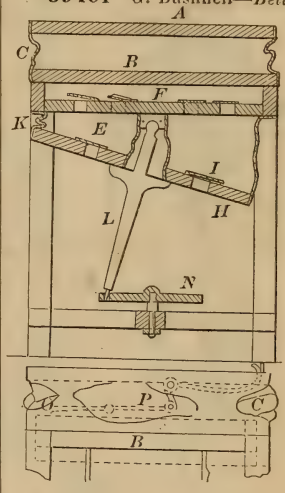
69400—W. Green—*Lifting Jack.*



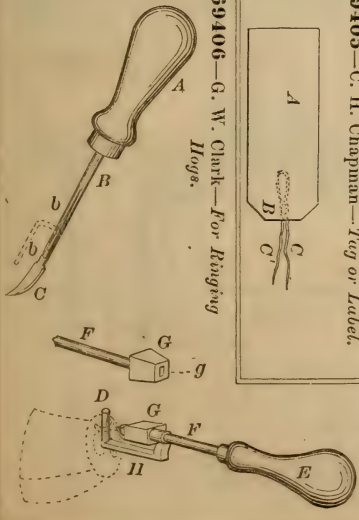
69404—V. M. Chafee—*Wagon.*



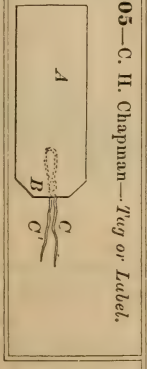
69401—G. Bushnell—*Bellows.*



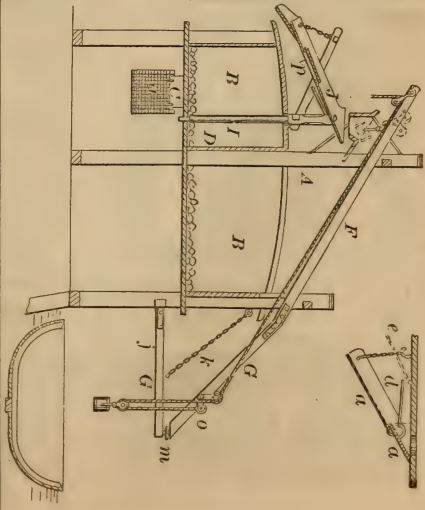
69406—G. W. Clark—*For Ringing Hogs.*



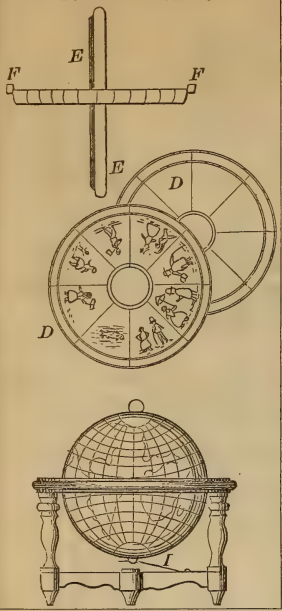
69405—C. H. Chapman—*Tag or Label.*



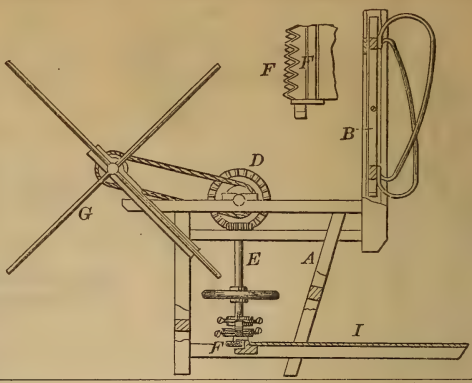
69407—Clark & Little—*Coal Elevator and Distributor.*



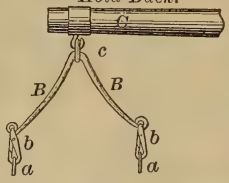
69408—G. P. Clarke—*Terrestrial Globe.*



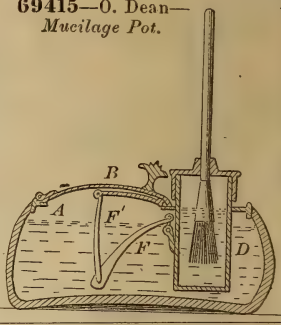
69409—J. P. Cook—*Hand Reaper and Mower.*



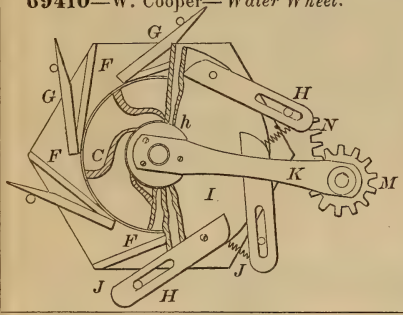
69412—J. C Covert—*Hold Back.*



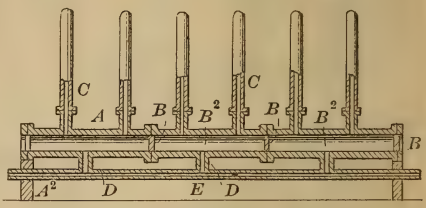
69415—O. Dean—*Mucilage Pot.*



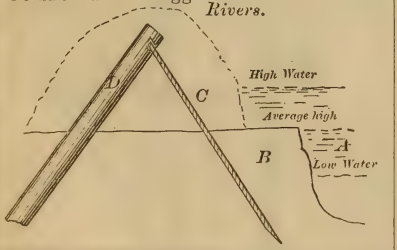
69410—W. Cooper—*Water Wheel.*



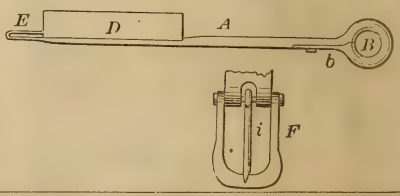
69411—L. R. Cornell—*Steam Superheater.*



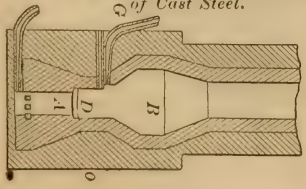
69416—S. B. Driggs—*Dike and Levee to Rivers.*



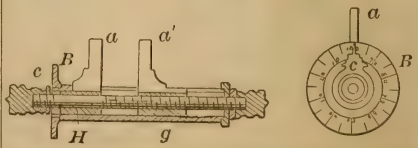
69413—Curran & Baxter—*Metallic Hame Tug.*



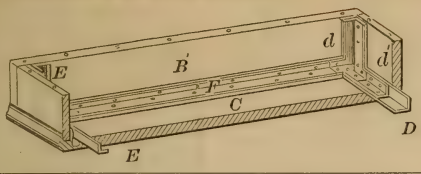
69417—F. Ellershausen—*Manufacture of C of Cast Steel.*



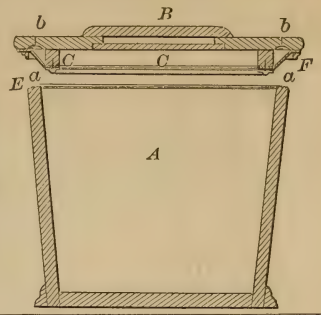
69418—D. F. Elmer—*Index Gauge and Calipers.*



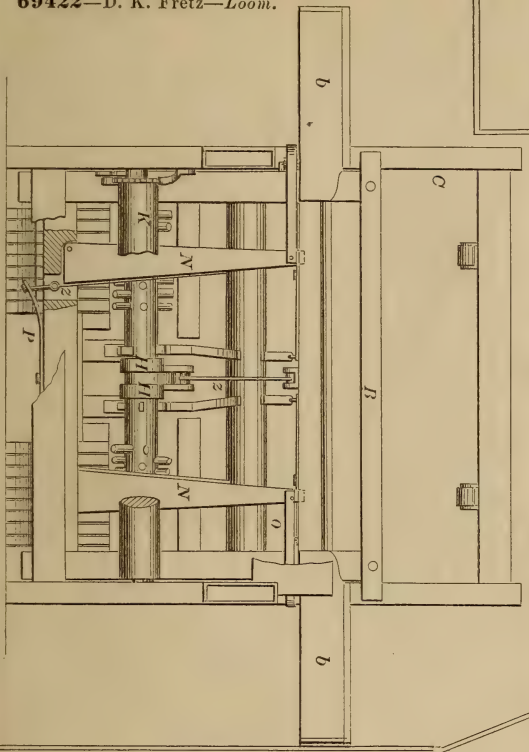
69419—T. B. Estep—*Coffin.*



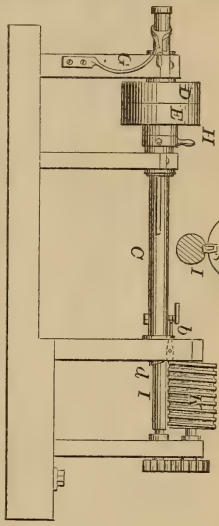
69420—Estep & Hefferman—*Coffin.*



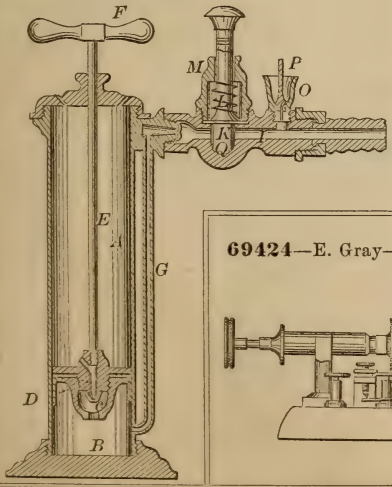
69422—D. K. Fretz—*Loom.*

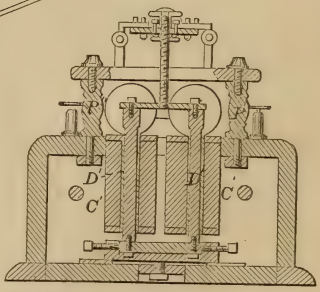


69421—J. W. Evans—*For Coiling Springs.*

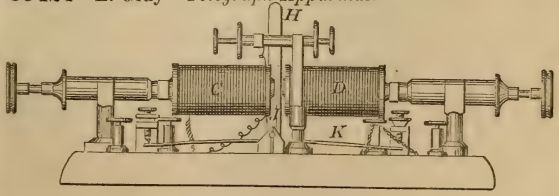


69423—H. Getty—*Air Pump.*

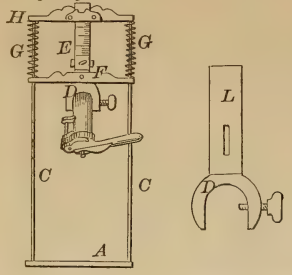




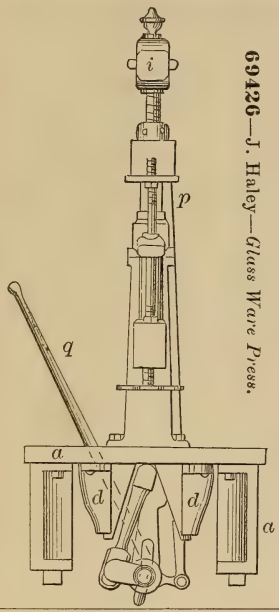
69424—E. Gray—*Telegraph Apparatus.*



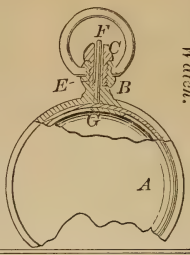
69425—Fisher & Holliday—*Weighing Attachment to Faucets.*



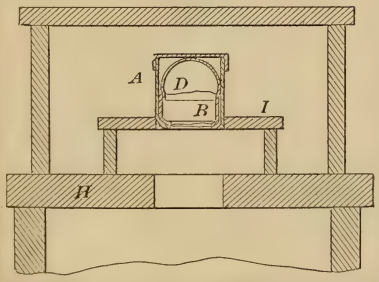
69426—J. Haley—*Glass Ware Press.*



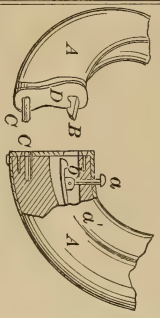
69427—J. A. Harman—*Watch.*



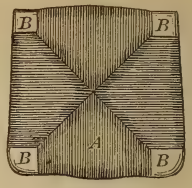
69428—E. Harrison—*Beehive.*



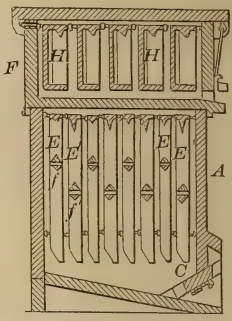
69429—J. G. Haymaker—*Horse Collar.*



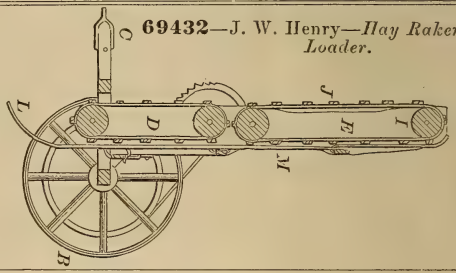
69430—G. Heesen—*Chair Seat.*



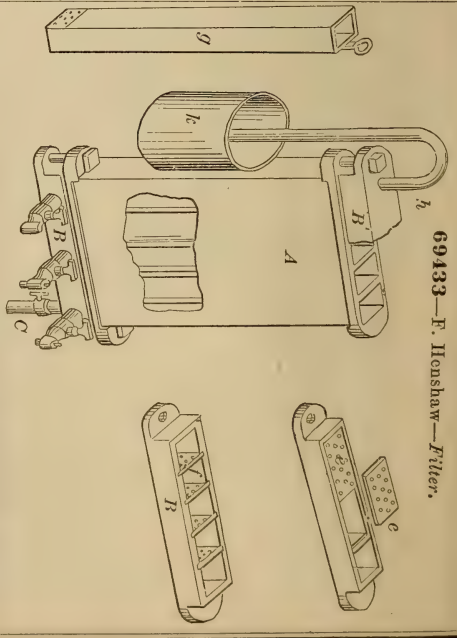
69431—J. H. Hendrick—*Beehive.*



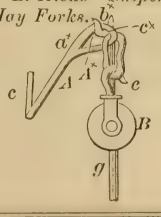
69432—J. W. Henry—*Hay Raker and Loader.*



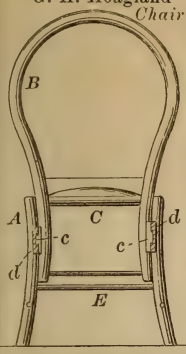
69433—F. Henshaw—*Filler.*



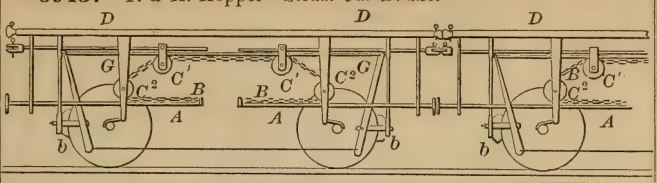
69434—E. Hicks—*Suspension Hook for Horse Hay Forks.*



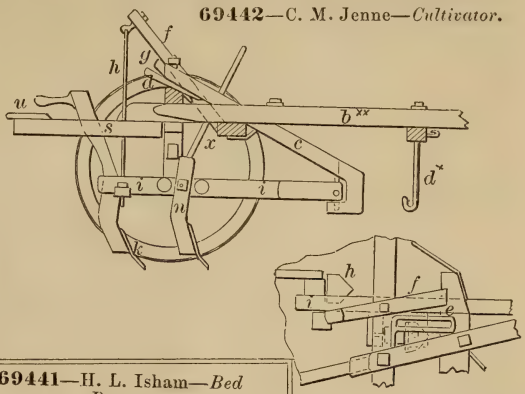
69435—G. H. Hoagland—*Chair.*



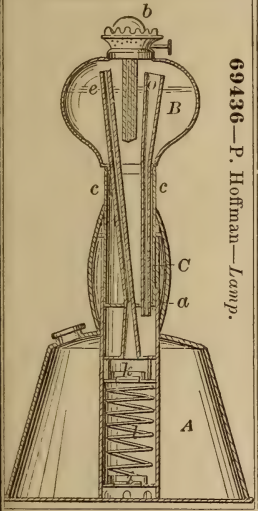
69437—T. & H. Hopper—*Steam Car Brake.*



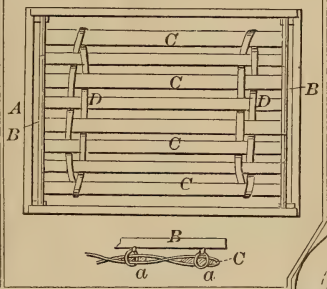
69442—C. M. Jenne—*Cultivator.*



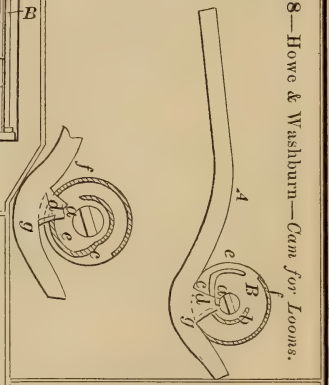
69436—P. Hoffman—*Lamp.*



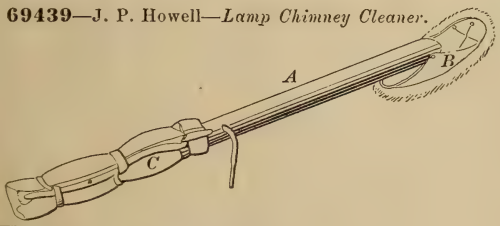
69441—H. L. Isham—*Bed Bottom*



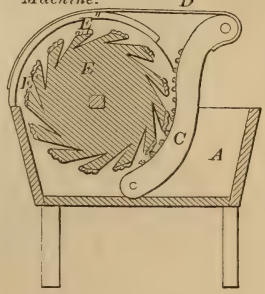
69438—Howe & Washburn—*Cam for Looms.*



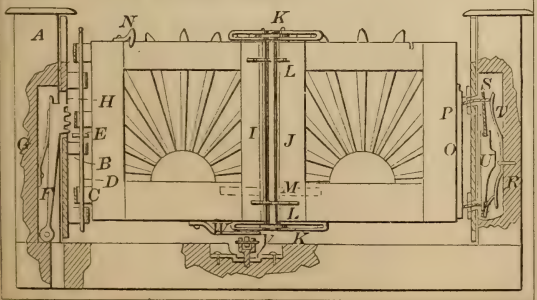
69439—J. P. Howell—*Lamp Chimney Cleaner.*



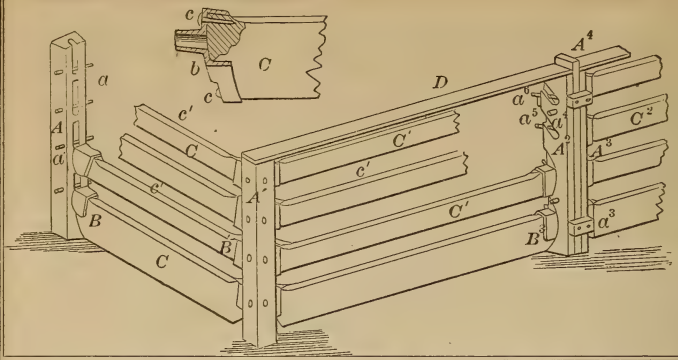
69440—R. Hubbard—*Washing Machine.*



69443—H. J. Johnson—*Gate.*

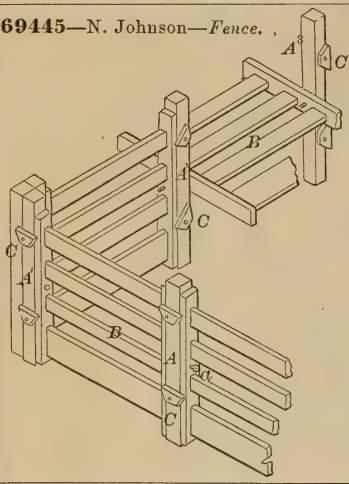


69444—N. Johnson—*Fence.*

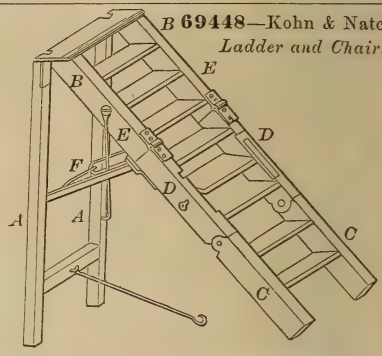


69446—E. A. Keasey—*King Bolt.*

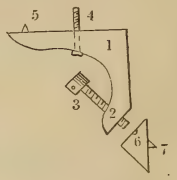
69445—N. Johnson—*Fence.*



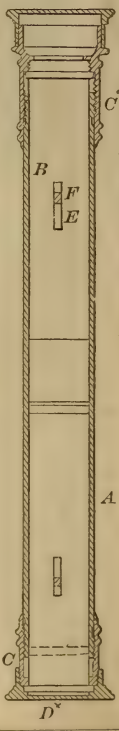
69448—Kohn & Natcher—*Ladder and Chair.*



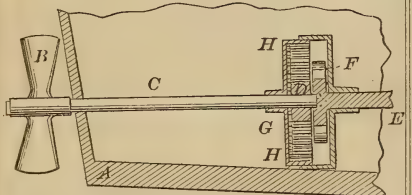
69447—M. K. Kellogg—*Stretcher for Painters' Canvas.*



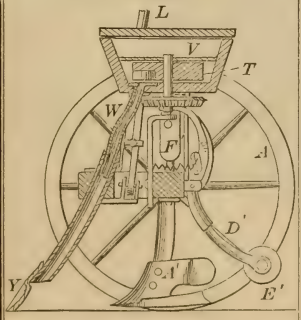
69450—Kuehler & Seelhorst—*Telescope.*



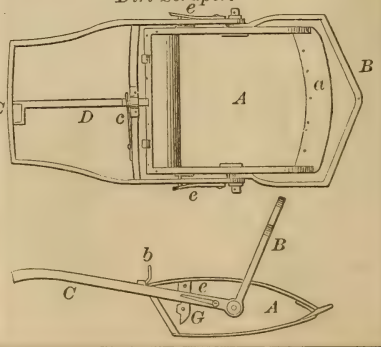
69451—W. Lawton—*Propeller.*



69449—Krebs & Johns—*Corn Planter.*

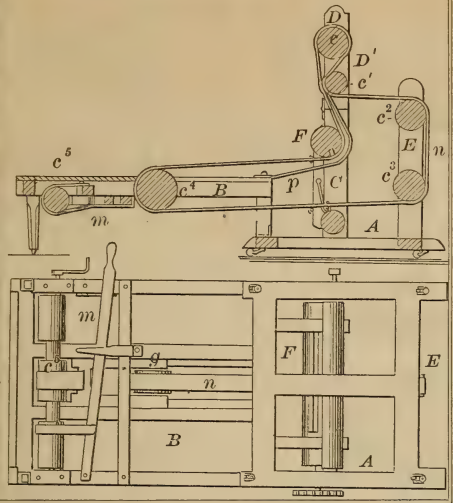


69452—C. & J. L. Little & Dalbey—*Dirt Scraper.*

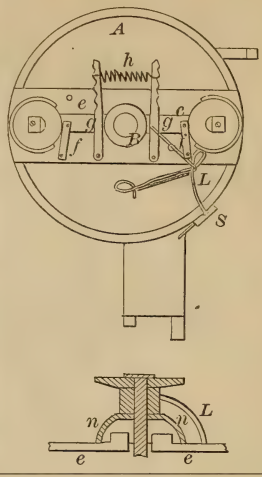


69453—Lloyd & Tetlow—*Sewing Needle.*

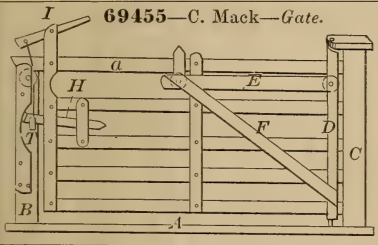
69454—J. Lombard—*For Folding Leather.*



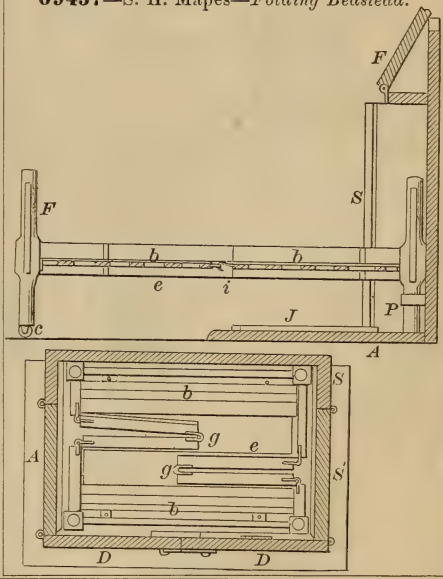
69458—T. B. McConaughey—*Governor.*



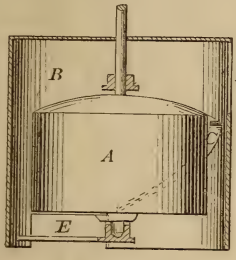
69455—C. Mack—*Gate.*



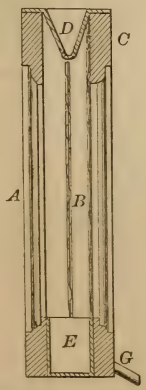
69457—S. H. Mapes—*Folding Bedstead.*



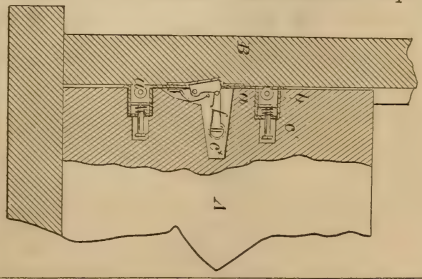
69459—H. McElhowney—*For Ventilating Millstones.*



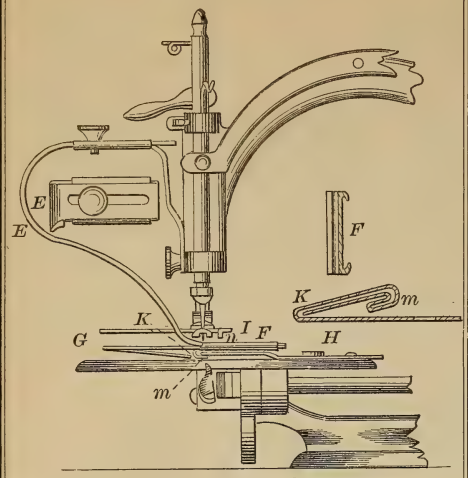
69460—J. McFeely—*Window Screen.*



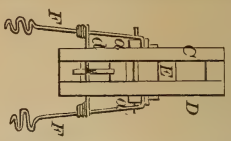
69456—D. D. Mackay—*Sash Lock and Stop.*



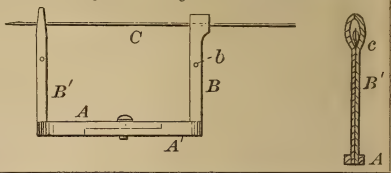
69461—J. McNeill—*Tucking Attachment for Sewing Machines.*



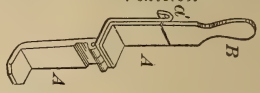
69462—M. D. Messler—*Fence*



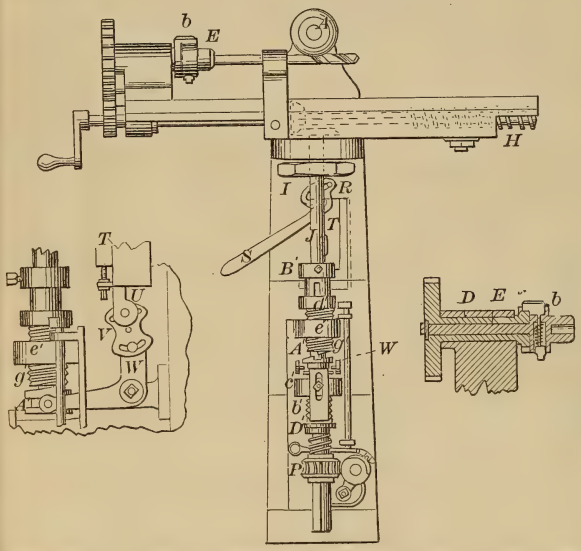
69463—T. C. Michener—*Needle Setter for Sewing Machines.*



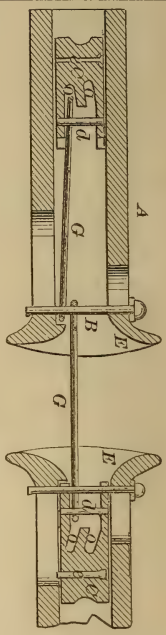
69465—E. Miller—*Shifting Step for Vehicles.*



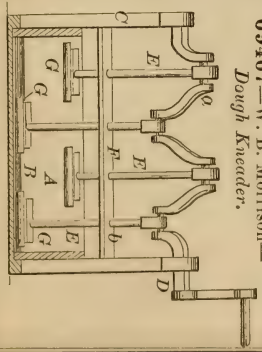
69466—L. B. Miller—*For Milling Twist Drills.*



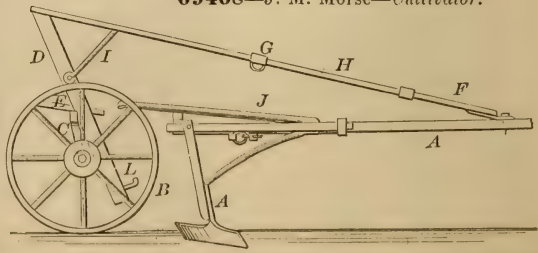
69464—Miller & Brestle—*Car Coupling.*



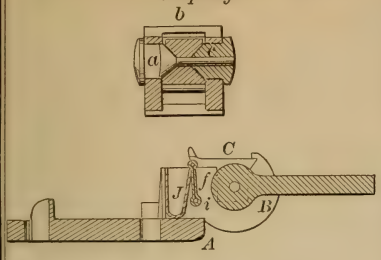
69467—W. B. Morrison—*Dough Kneader.*



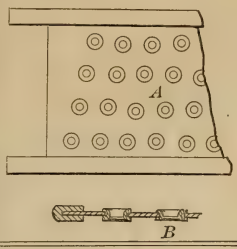
69468—J. M. Morse—*Cultivator.*



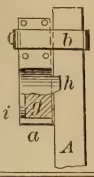
69469—E. M. Naramore—*Thill Coupling.*



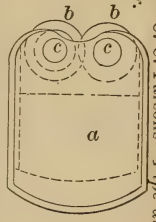
69471—A. J. Nichols—*Warper and Dresser Plate.*



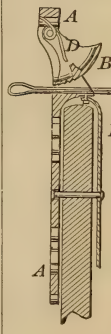
69472—B. W. Nichols—*Picker for Looms.*



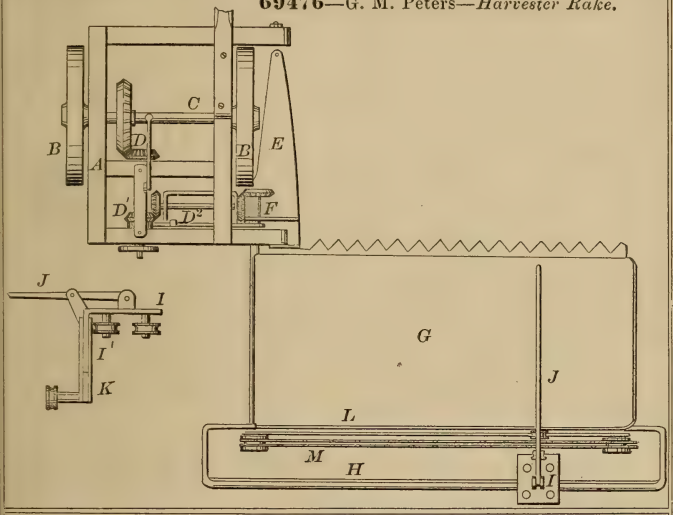
69473—C. C. Parsons—*Pipe and Bolt Cutter.*



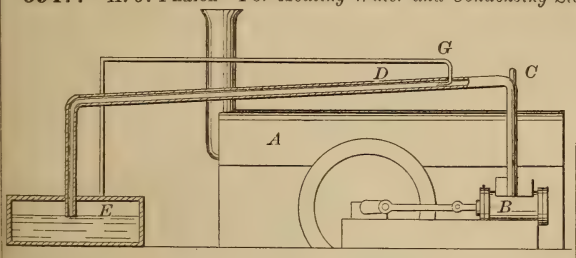
69474—B. D. Pease—*Rein Holder.*



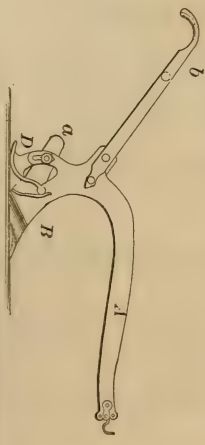
69476—G. M. Peters—*Harvester Rake.*



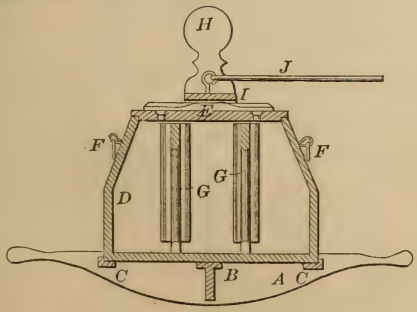
69477—H. J. Phalen—*For Heating Water and Condensing Steam.*



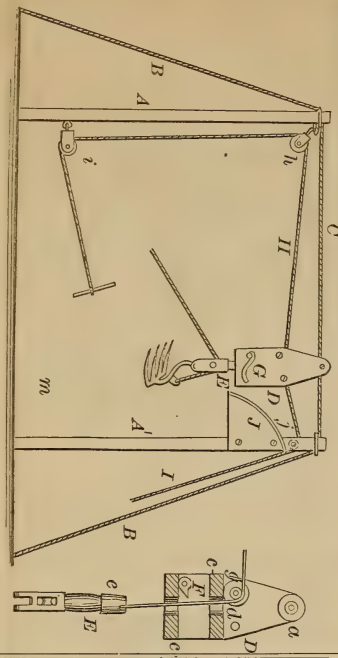
69478—M. Prentiss—*Plow.*



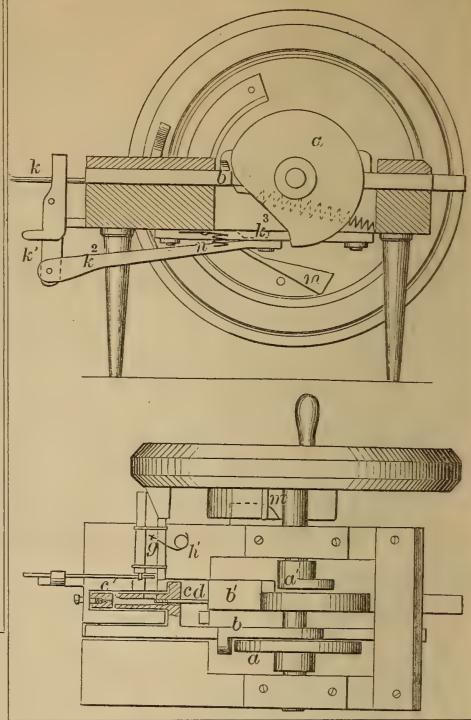
69475—W. C. Peck—*Churn.*



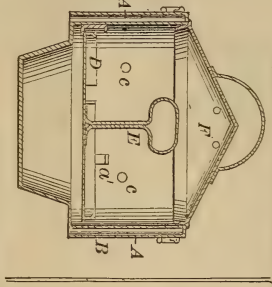
69479—A. J. Purviance—*Horse Hay Fork.*



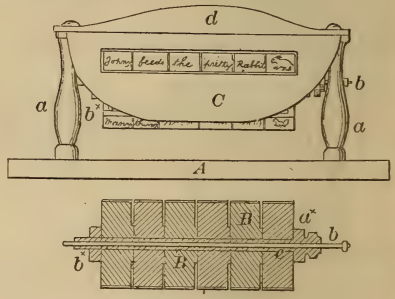
69481—C. H. Remington—*Bullet Machine.*



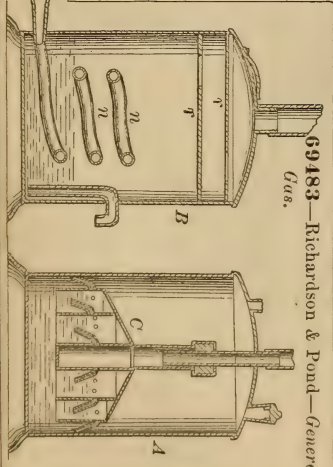
69480—A. Reid—*Potato Baker.*



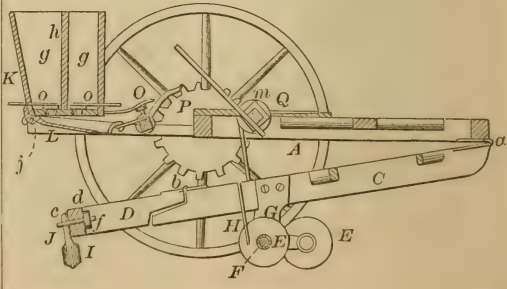
69482—Richardson & Graeme—*Logotrope.*



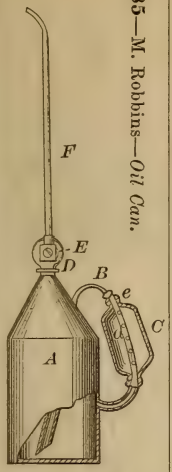
69483—Richardson & Pond—*Generating Gas.*

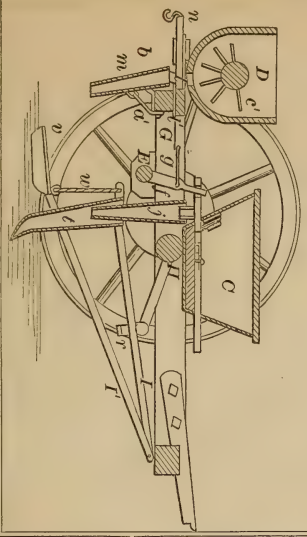


69484—E. Ritson—*Seeding Machine.*

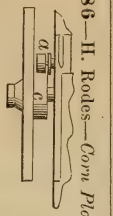


69485—M. Robbins—*Oil Can.*

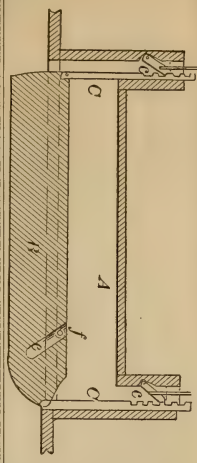




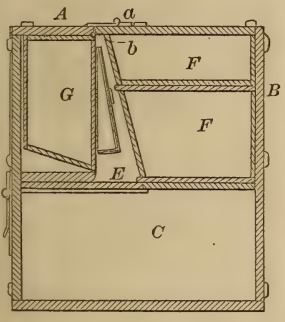
69486—H. Rodes—*Corn Planter and Plaster Dropper.*



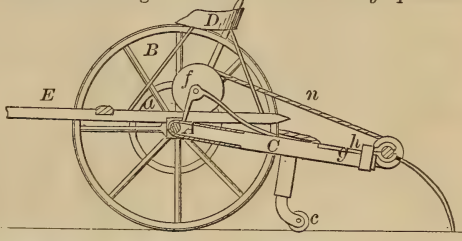
69492—J. G. Saunders—*Centre Board.*



69488—A. V. Ryder—*Trunk.*

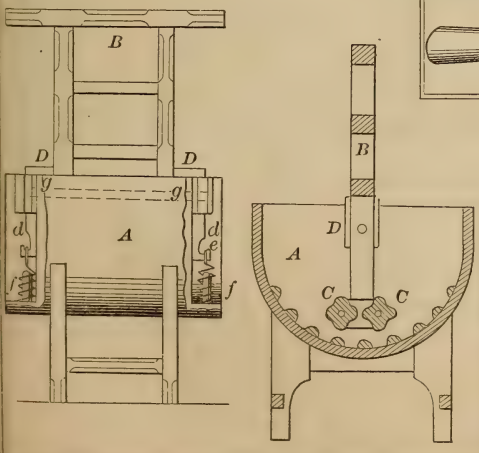


69487—C. Rogers—*Horse Rake and Hay Spreader.*

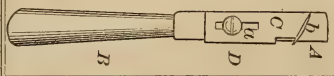


69490—H. Sauerbier—*Shoe Knife.*

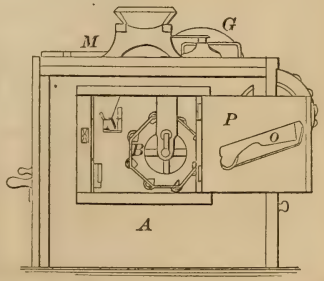
69493—J. Schermerhorn—*Washing Machine.*



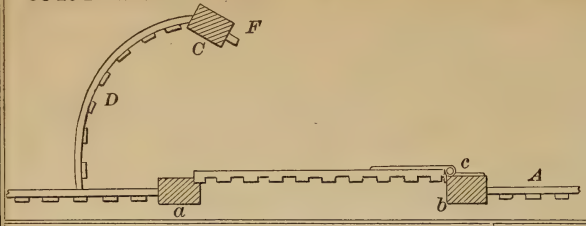
69491—H. Sauerbier—*Shoe Knife.*



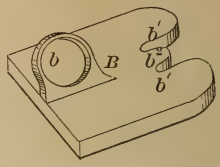
69489—J. Sattison—*Grain and Seed Cleaner.*



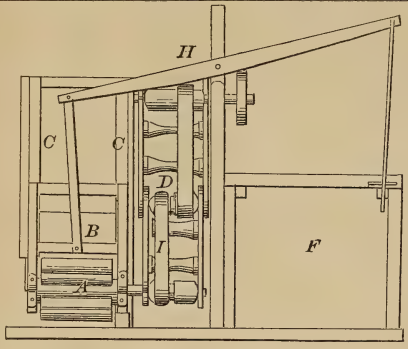
69494—W. Serviss—*Gate.*



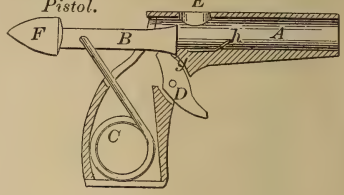
69498—W. H. Sloan—*Butter Tryer.*



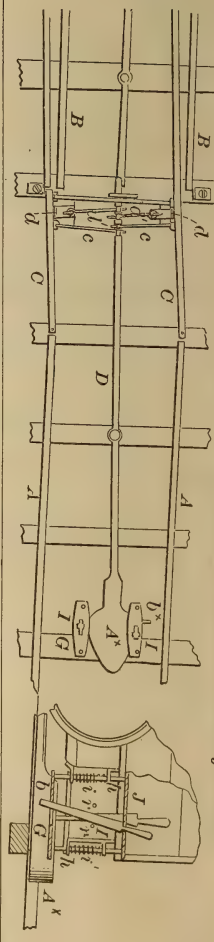
69495—S. Shive—*Water Wheel.*



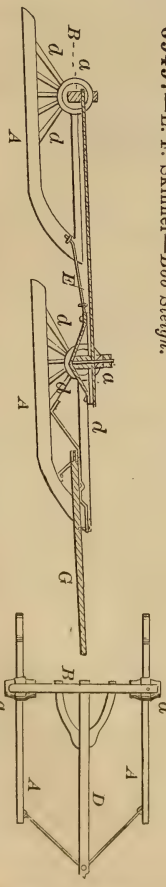
69500—Spofford & Raffington—*Toy Pistol.*



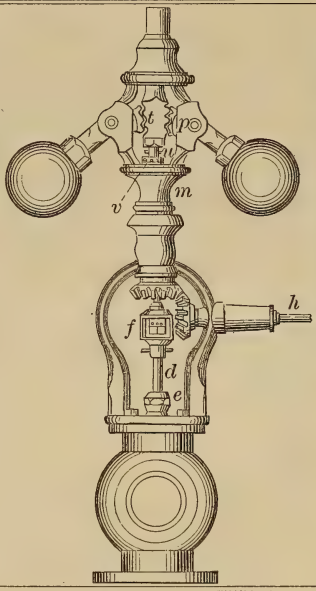
69496—D. Simmons—*Railway Switch.*



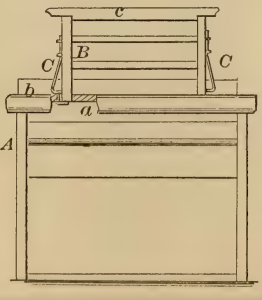
69497—L. F. Skinner—*Bob Sleigh.*



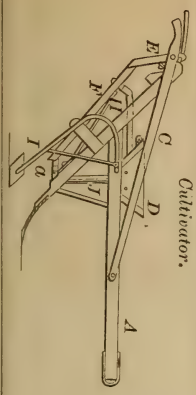
69499—H. D. Snow—*Steam Governor.*



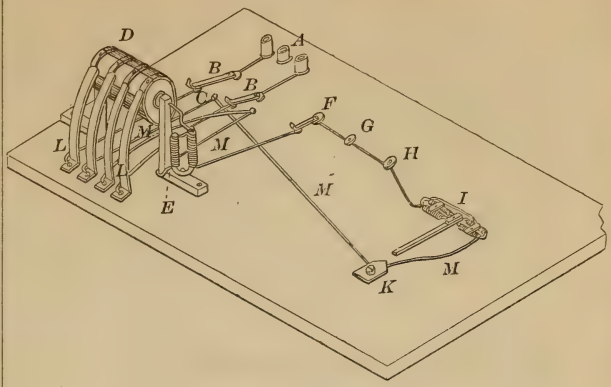
69501—D. I. Stagg—*School Desk Attachment.*



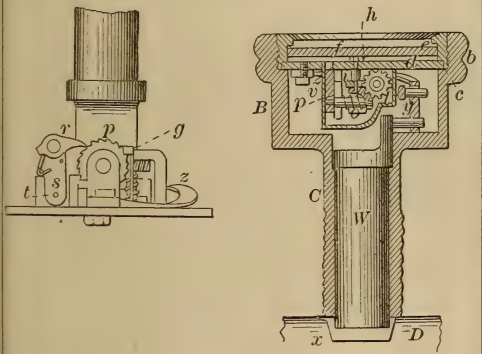
69502—Sterett & Reynolds—*Corn Planter and Cultivator.*



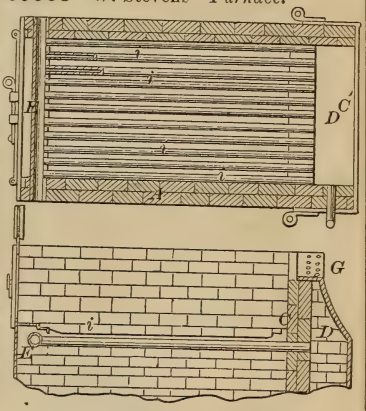
69503—J. H. Stevens—*Fire Alarm Telegraph.*



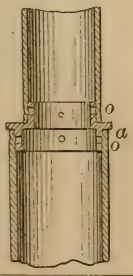
69504—Stevens & Drake—*Odometer.*



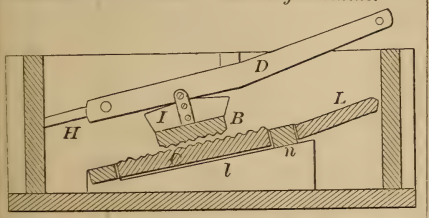
69505—W. Stevens—*Furnace.*



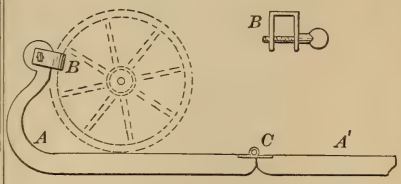
69506—W. Stine—*Stove Pipe Joint.*



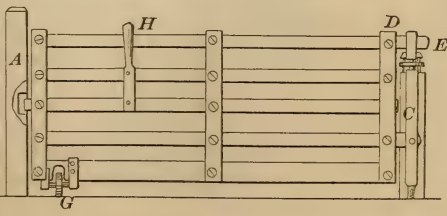
69507—T. B. Stout—*Washing Machine.*



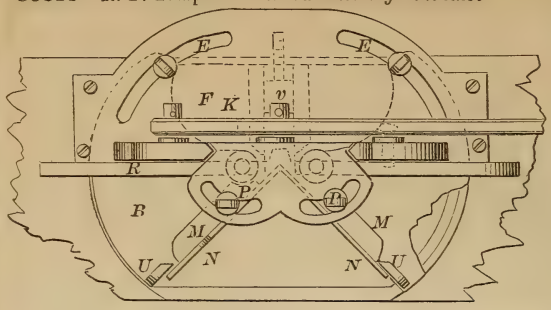
69508—W. H. Stroup—*Sleigh Runner.*



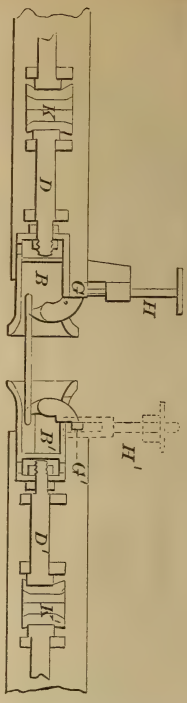
69509—A. Tandy—*Gate.*



69510—R. F. Tompkins—*Wood Mitering Machine.*

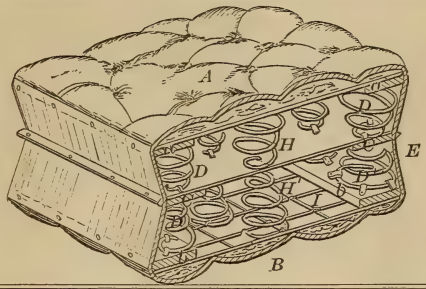


69511—J. Trent—*Car Coupling.*

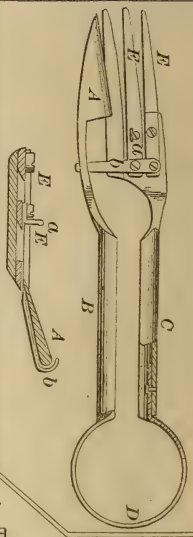


69512—J. Troxel—*Mop Head.*

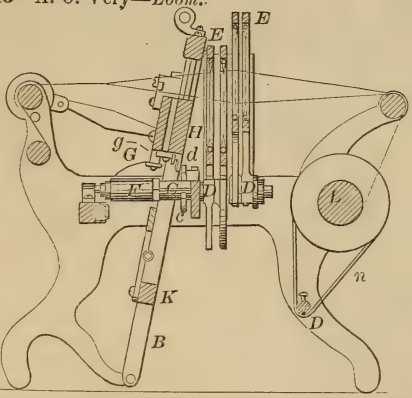
69514—C. Van Dyeck—*Spring Bed.*



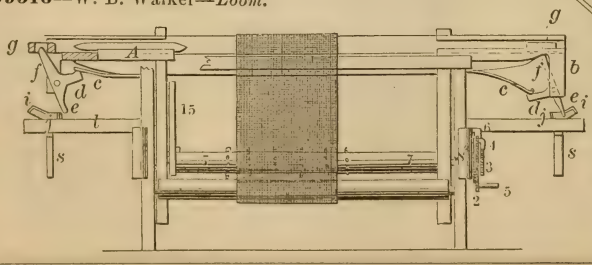
69513—F. Van Doren—*Sheep Shears.*



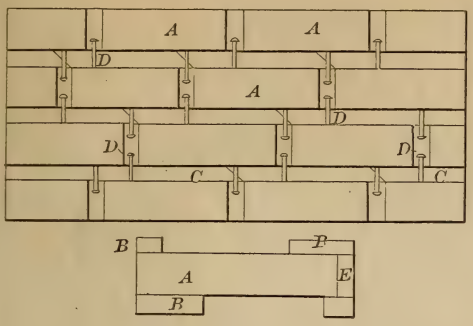
69515—A. O. Very—*Loom.*



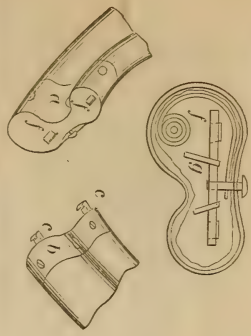
69516—W. B. Walker—*Loom.*



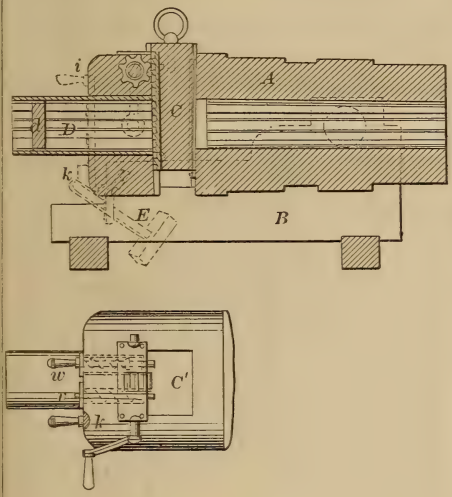
69517—C. G. Waterbury—*Wooden Pavement.*



69520—D. C. Westfall—*Horse Collar Fastening.*

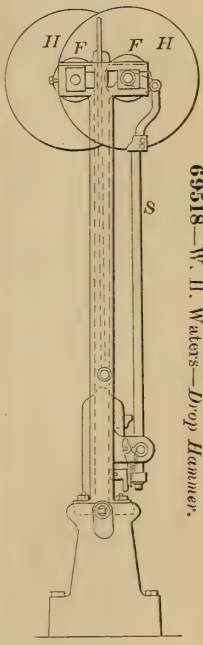


69519—A. Weeks—*Breech-Loading Ordnance.*

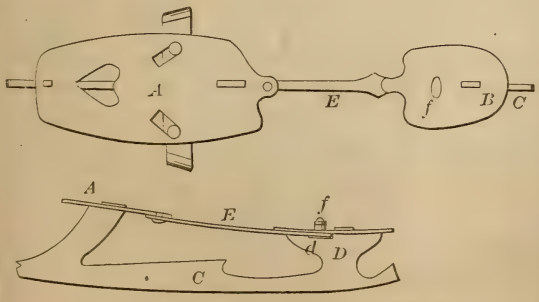


69521—J. A. Whitney—*Spike.*

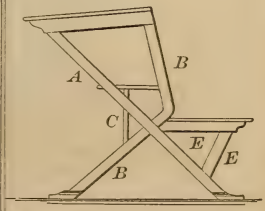
69518—W. H. Waters—*Drop Hammer.*



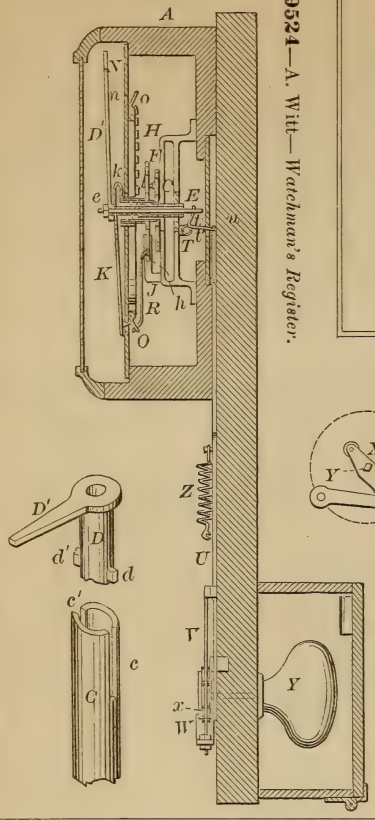
69522—Wichelhaus & Rothe—*Skate.*



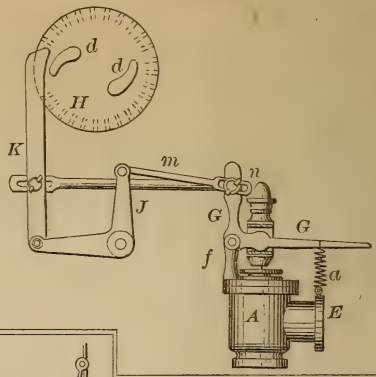
69523—D. C. Wilson—*School Desk and Seat.*



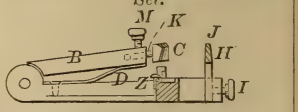
69524—A. With—*Watchman's Register.*



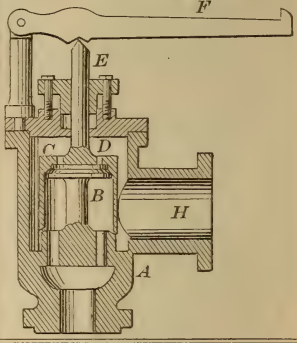
69526—Wrigley & Smith—*Cut-off Valve Gear.*



69525—J. C. Woodward—*Saw Set.*

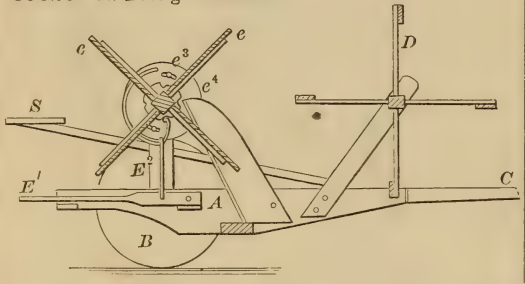


69527—Wrigley & Smith—*Steam Safety Valve.*

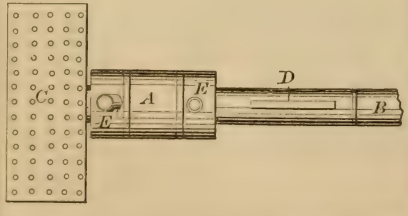


69528—B. C. Young—*Boots and Shoes.*

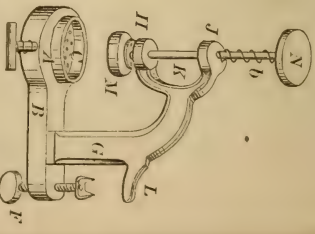
69529—E. Young—*Harvester.*



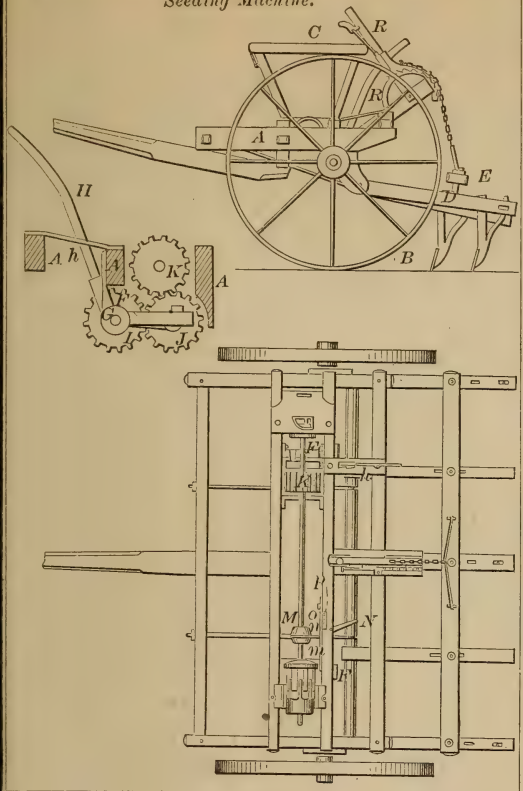
69530—J. W. Adams—*Grain Dryer.*



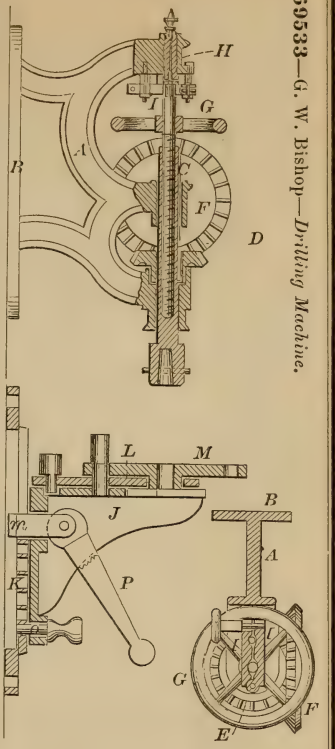
69531—A. Barbarim—*Lemon Squeezer.*



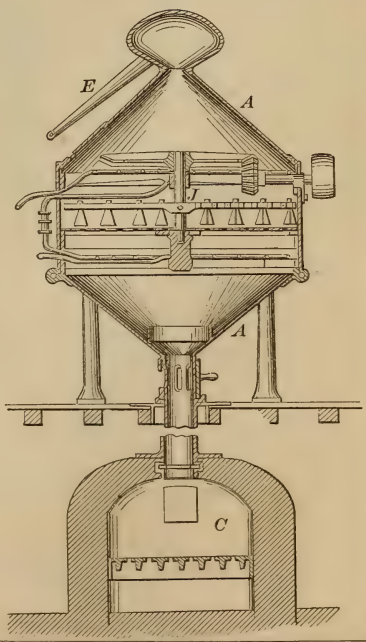
69532—Barber & D. C. & G. W. Van Brunt—*Seeding Machine.*



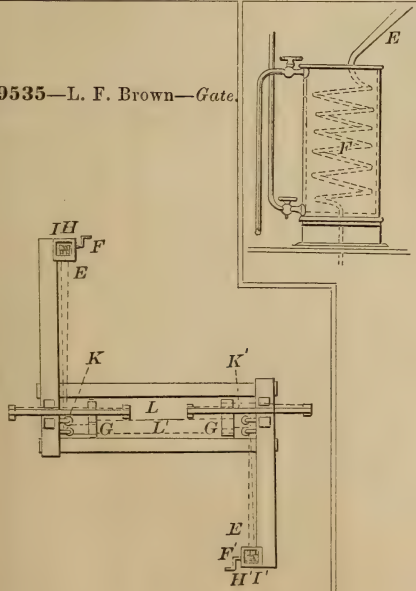
69533—G. W. Bishop—*Drilling Machine.*



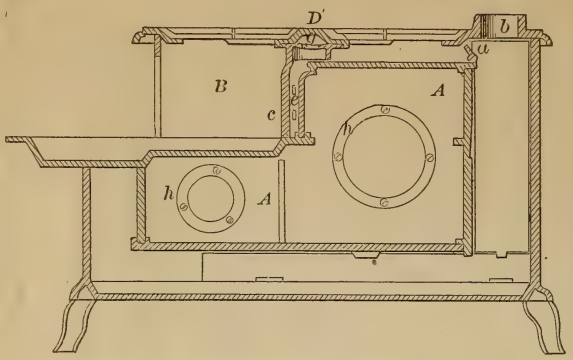
69534—W. Blakey—*Malt Kiln.*



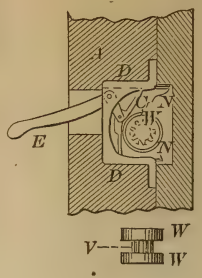
69535—L. F. Brown—*Gate.*



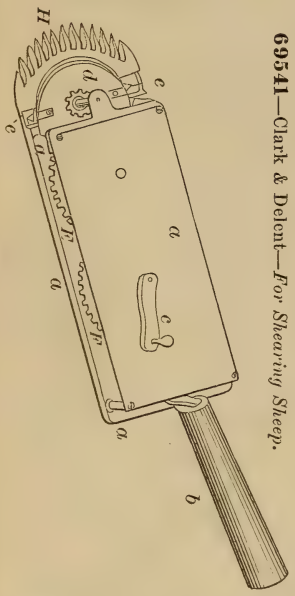
69536—C. H. Buck—*Cooking Stove.*



69540—F. P. Canfield—*Sash Lock and Support.*

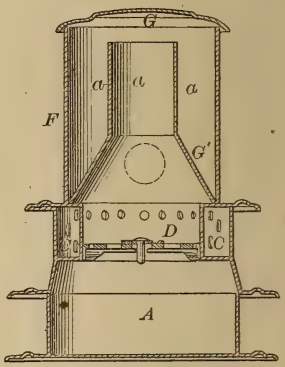


69541—Clark & Delent—*For Shearing Sheep.*

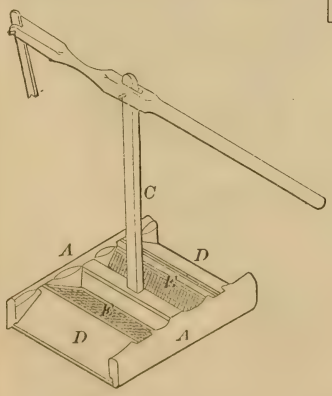


69539—F. Bühle—*Paper File.*

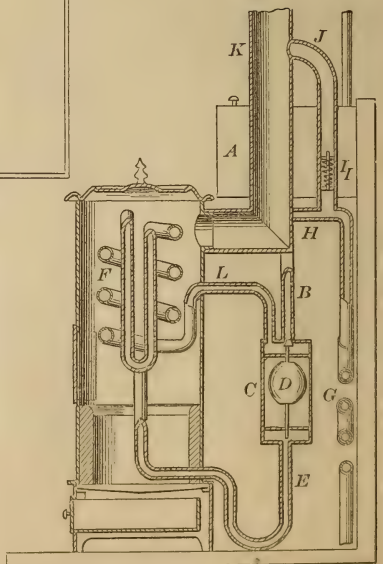
69537—C. H. Buck—*Heating Stove.*



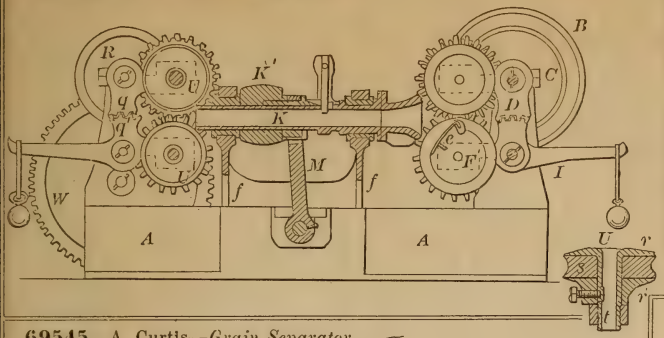
69538—T. W. Buck—*Churn.*



69542—E. B., J. S. & W. S. Clark—*Steam Heater.*

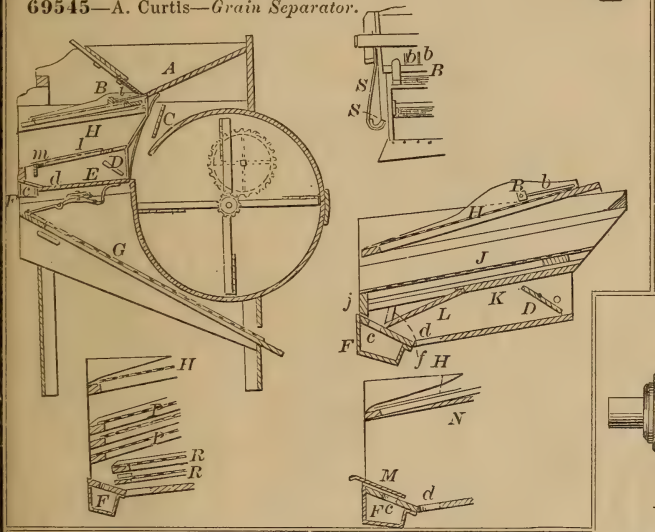


69543—H. T. Clay—*Wood Lathe.*

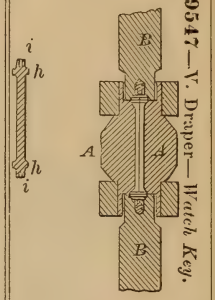


69546—D. W. De Forest—*Trace Fastening.*

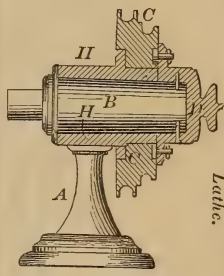
69545—A. Curtis—*Grain Separator.*



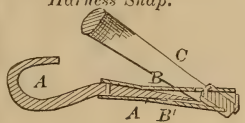
69547—V. Draper—*Watch Key.*



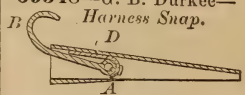
69544—F. W. Coy—*Turning Lathe.*



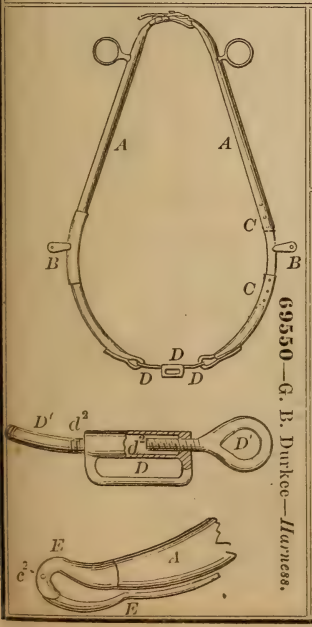
69549—G. B. Durkee—*Harness Snap.*



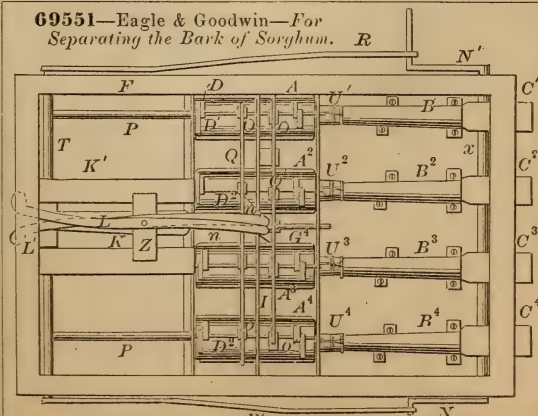
69548—G. B. Durkee—*Harness Snap.*



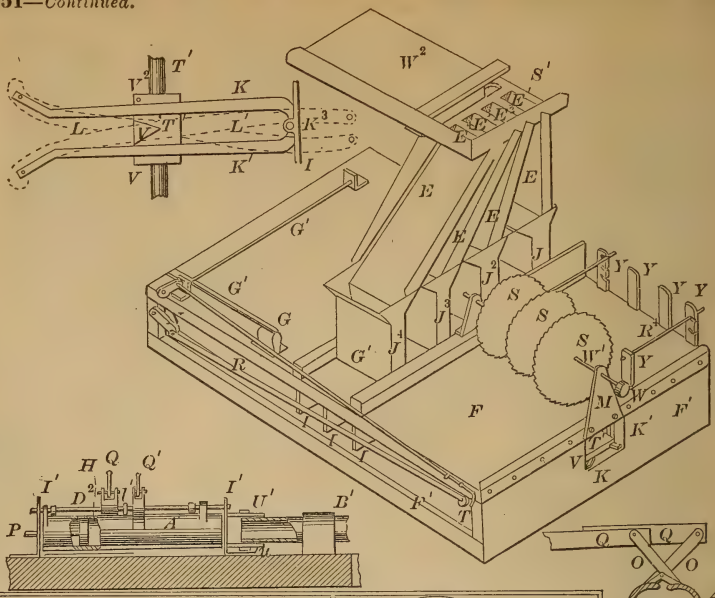
69550—G. B. Durkee—*Harness.*



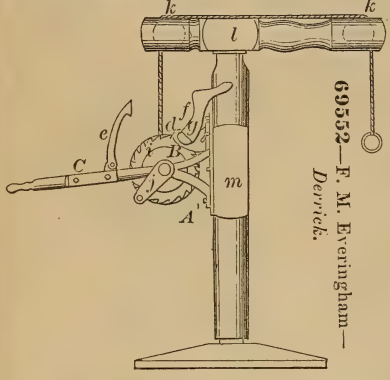
69551—Eagle & Goodwin—*For Separating the Bark of Sorghum.*



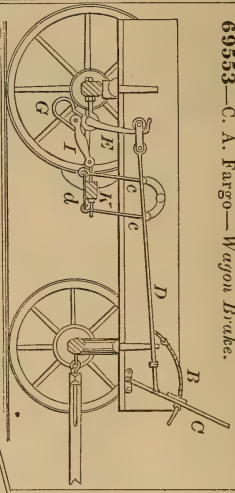
69551—*Continued.*



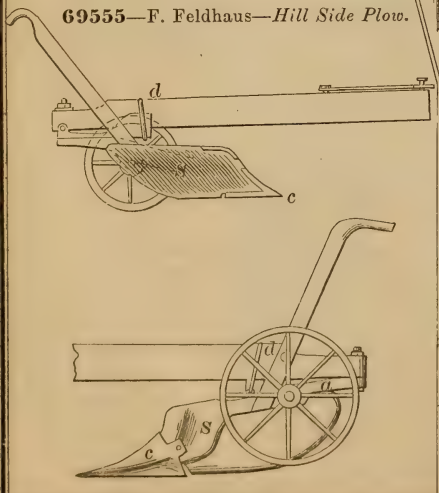
69552—F. M. Everingham—*Derrick.*



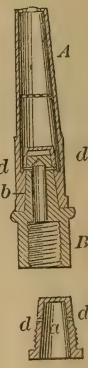
69553—C. A. Fargo—*Wagon Brake.*



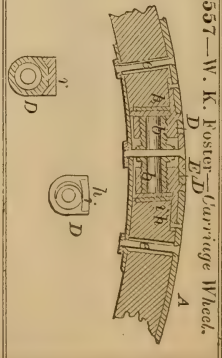
69555—F. Feldhaus—*Hill Side Plow.*



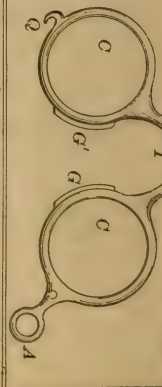
69556—J. S. Ford—*Gas Burner.*



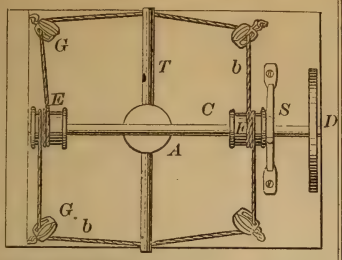
69557—W. K. Foster—*Carriage Wheel.*



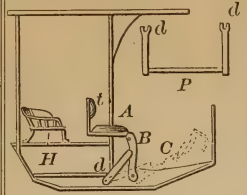
69554—H. Federhen & Sherman—*Double Eye Glass.*



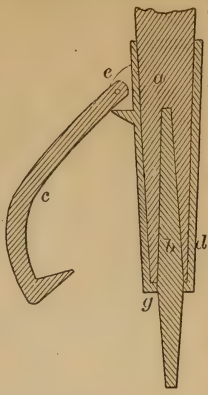
69558—W. H. Foster—*Steering Apparatus.*



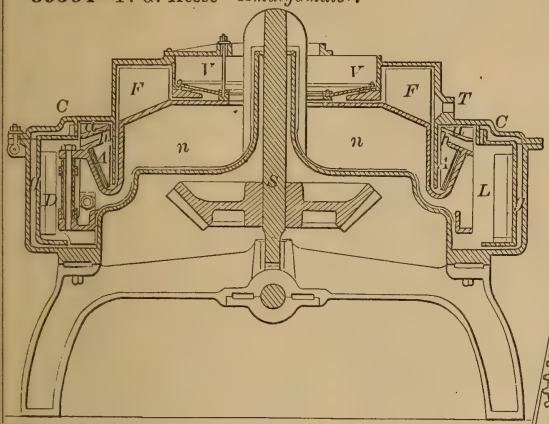
69559—Gale, Ames & Blaisdale—*Carriage.*



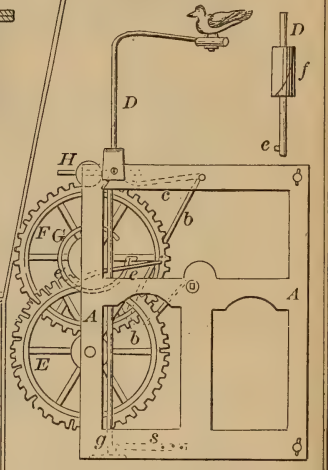
69560—J. W. Gerrish—*Cant Hook.*



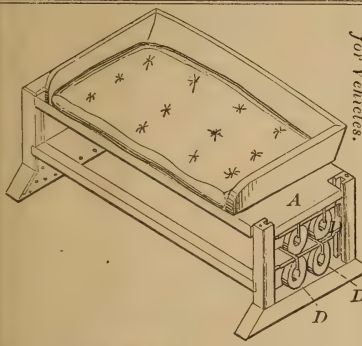
69564—F. G. Hesse—*Amalgamator.*



69561—C. K. Giles—*Cuckoo Clock.*

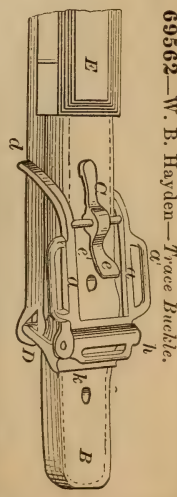


69565—W. Hughes—*Spring Seat for Vehicles.*

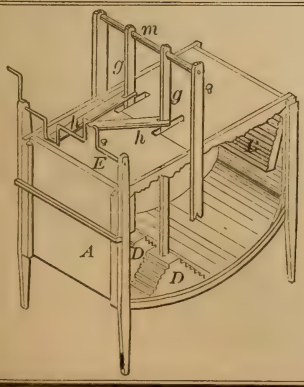


69563—A. Herde—*Extracting Bungs from Barrels.*

69562—W. B. Hayden—*Trace Buckle.*

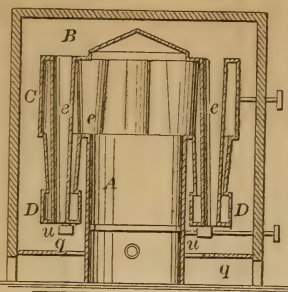


69567—S. Lockwood—*Washing Machine.*

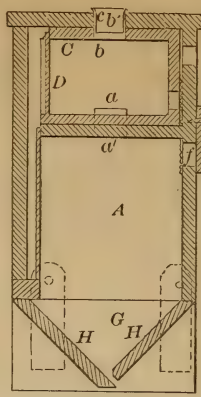


69566—C. B. Littlefield—*Gas Cock.*

69568—M. F. Magliocco—*Heating Furnace.*

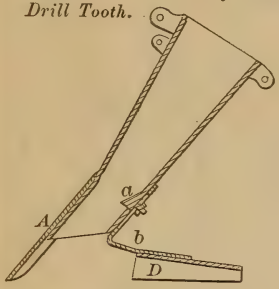


69569—J. Mathius—*Beehive.*



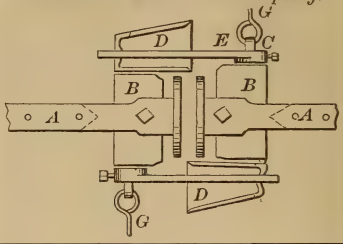
69570—M. Mattson—*Coupling for Vacuum Cups.*

69571—D. E. McSherry—*Seed Drill Tooth.*

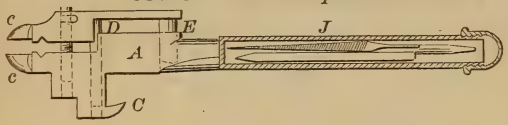


69572—W. T. Mersereau—*Curtain Fixture.*

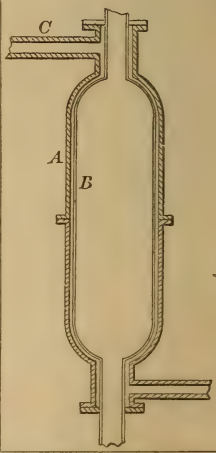
69574—J. Milne—*Car Coupling.*



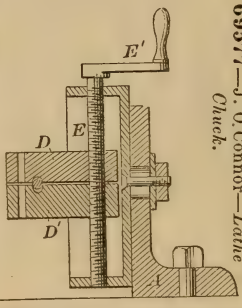
69575—J. Mott—*Implement or Wrench.*



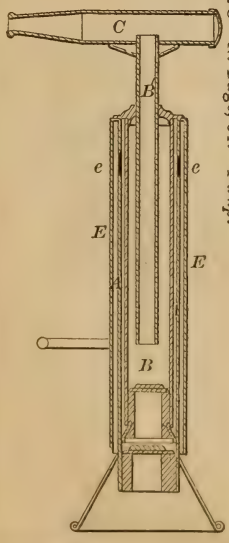
69576—J. Nicholson—*Feed Water Heater.*



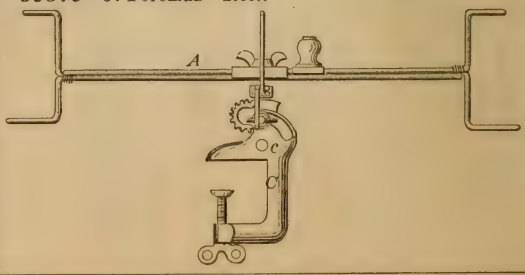
69577—J. O'Connor—*Lathe Chuck.*



69578—N. Page, Jr.—*Pump.*



69579—J. Foreman—*Reel.*



69580—D. Pangle—*Sheep House.*

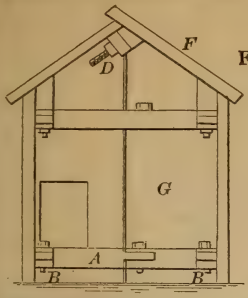
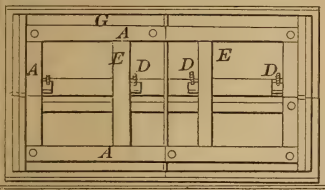
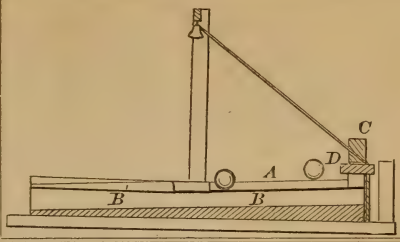


Fig. 1

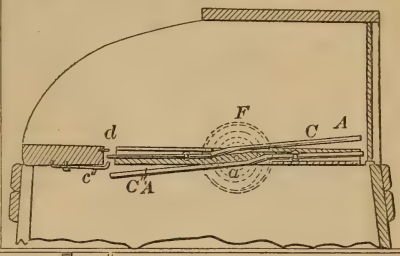
Fig. 2



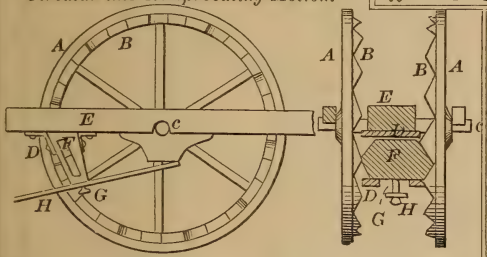
69581—J. D. Patrick—*Ball Alley.*



69583—T. S. Phillips—*Animal Trap.*



69584—T. & C. Plumleigh—*Converting Circular into Reciprocating Motion.*



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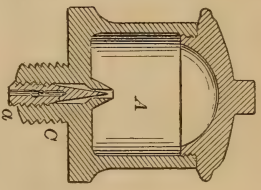
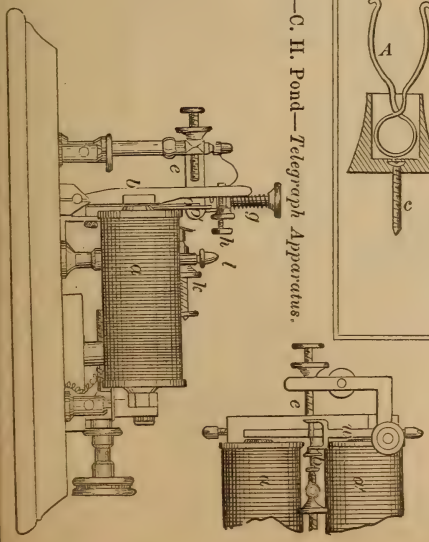
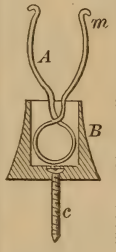


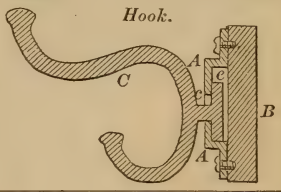
69585—C. H. Pond—*Telegraph Apparatus.*



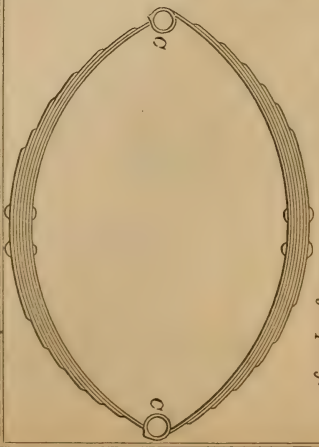
69586—Powell & Morse—*Broom Holder.*



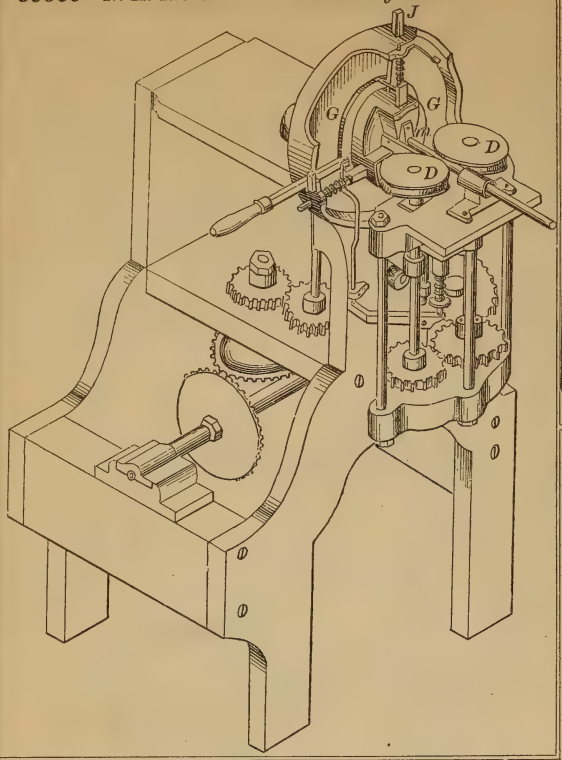
69587—S. S. Putnam—*Clothes Hook.*



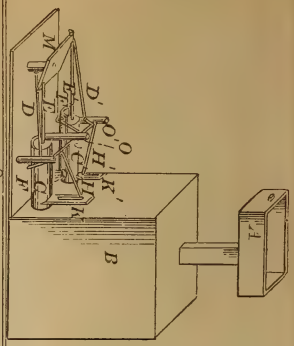
69588—J. G. Reiff—*Carriage Spring.*



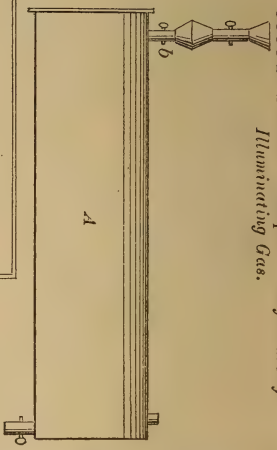
69589—N. H. Richardson—*For Dressing Rattan.*



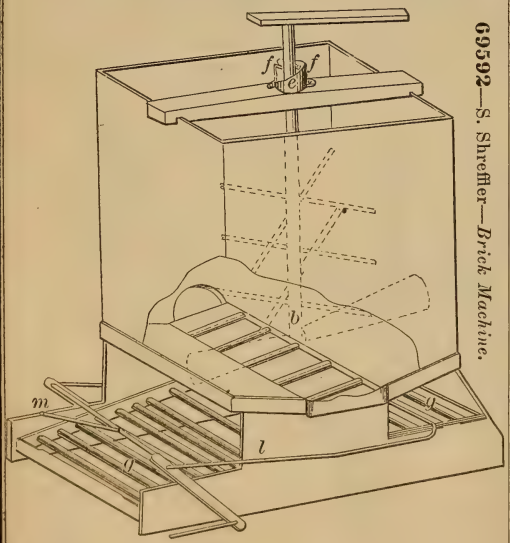
69591—L. M. Sabin—*Hydraulic Engine.*

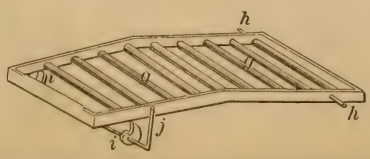


69594—Smith & Phillips—*Manufacture of Illuminating Gas.*

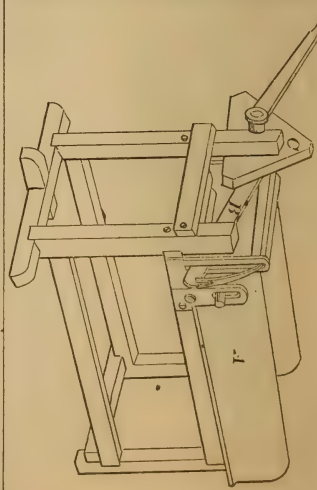


69592—S. Shreffler—*Brick Machine.*

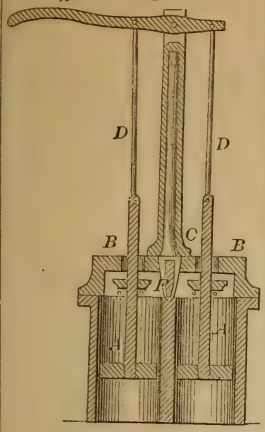




69593—J. D. Smith—*Straw Cutter.*

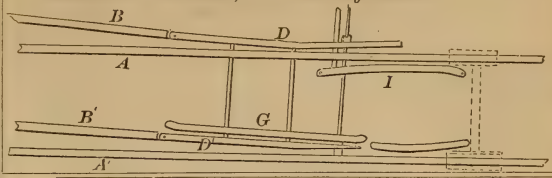


69595—F. J. Underwood—*Pump.*

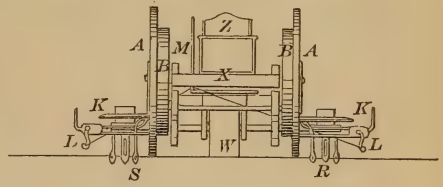


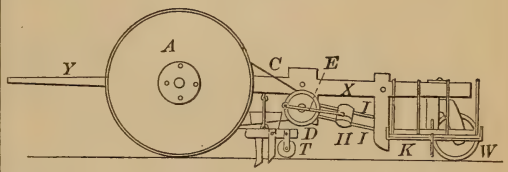
69596—J. H. Van Houten—*Burial Case.*

69599—W. Wharton, Jr.—*Railway Switch.*

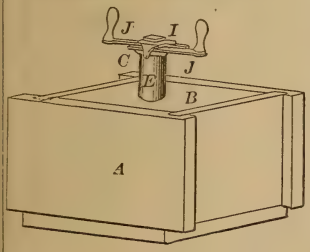


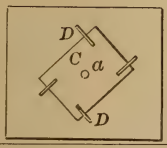
69600—C. W. Williams—*Corn Harvester.*

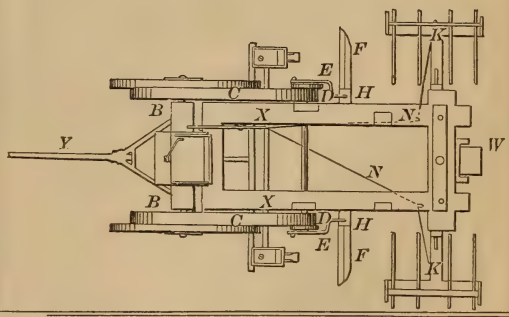




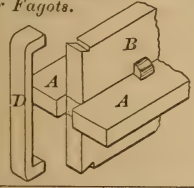
69598—M. Walton—*Churn.*



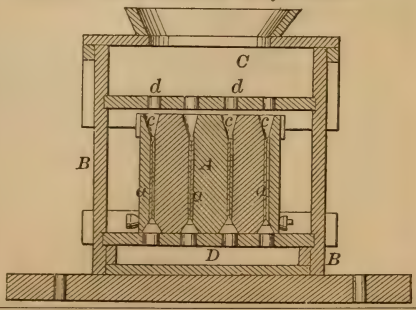




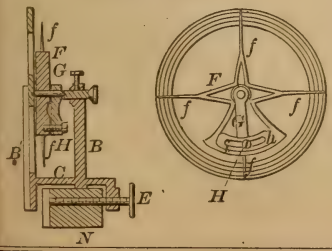
69597—Walters & Shaffer—*For Securing the Bars of Piles or Fagots.*



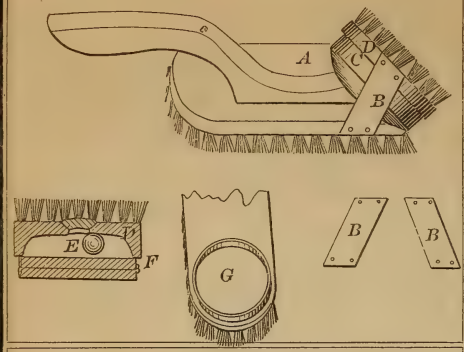
69601—H. Woodward—*Knife Cleaner.*



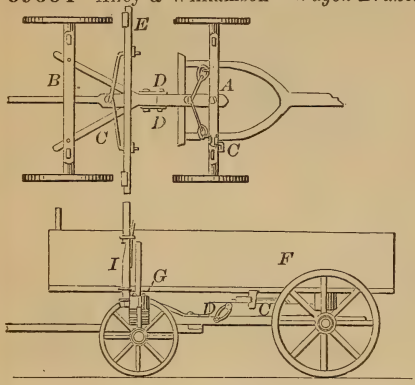
69602—Zimmerman & Baker—*Plumb Level.*



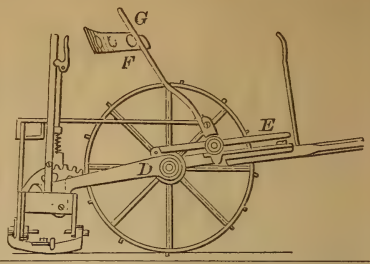
69603—R. Adams—*Blacking Brush.*



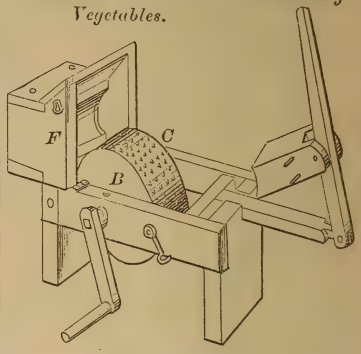
69604—Alley & Williamson—*Wagon Brake.*



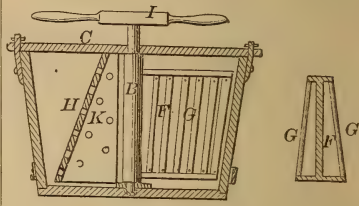
69606—J. Anthony—*Harvester.*



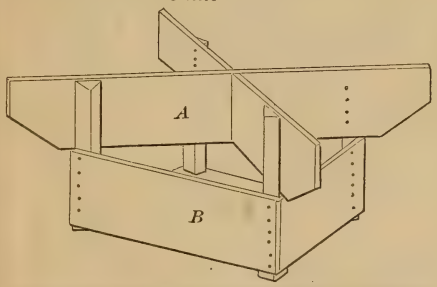
69607—H. Arthur—*For Grating Vegetables.*



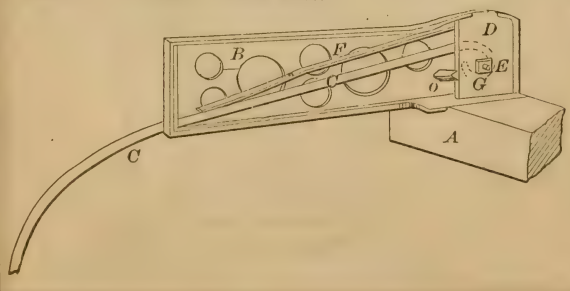
69609—O. Baldwin—*Wash Tub Attachment.*



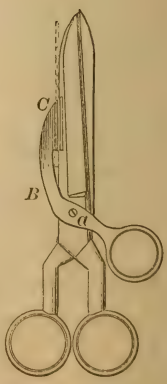
69608—G. W. Balding—*Feeding Rack for Cattle.*



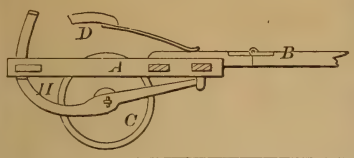
69610—L. B. Ball—*Horse Rake.*



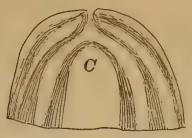
69605—J. A. Althouse—*Scissors and Button Hole Cutter.*



69611—W. W. Ballard—*Land Roller.*

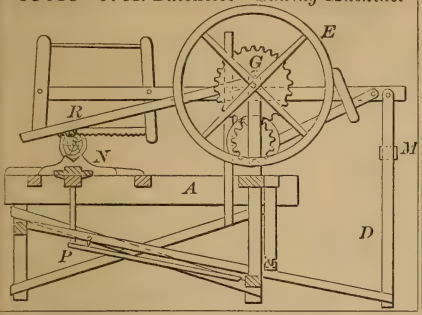


69614—J. B. Bean—*Constructing Moulds for Aluminium Plates.*

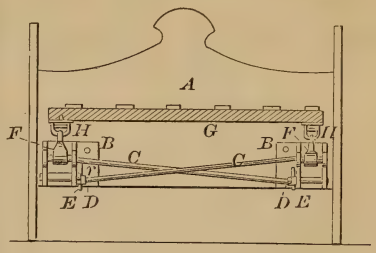


69615—J. B. Bean—*Securing Artificial Teeth to Cast Plates.*

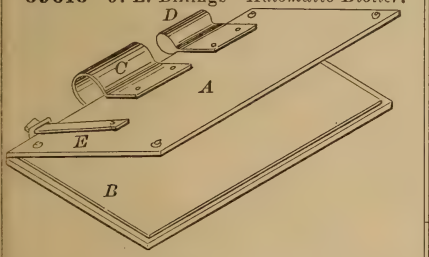
69613—J. M. Batchelor—*Sawing Machine.*



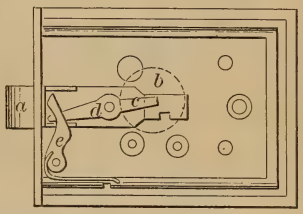
69617—L. M. Bolles—*Bed Bottom.*



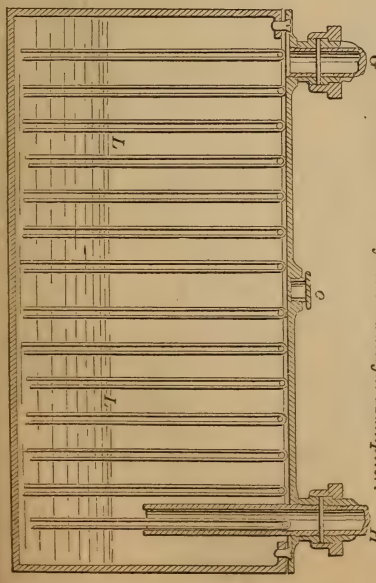
69616—J. E. Billings—*Automatic Blotter.*



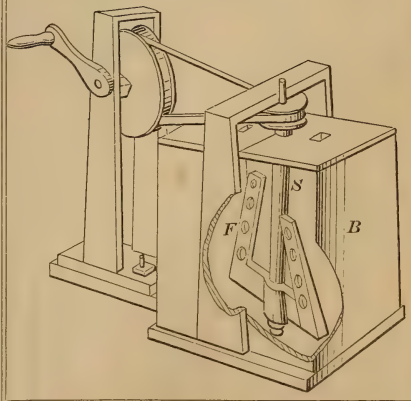
69619—H. Bosch—*Latch Lock.*



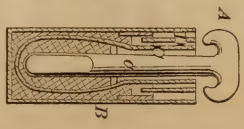
69621—J. F. Boynton—*Gaslight Multiplier.*



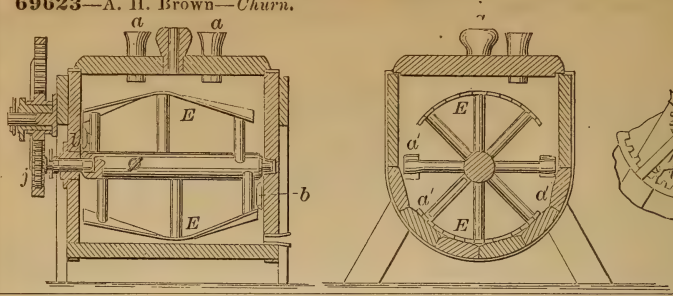
69620—C. Boyer—*Churn.*



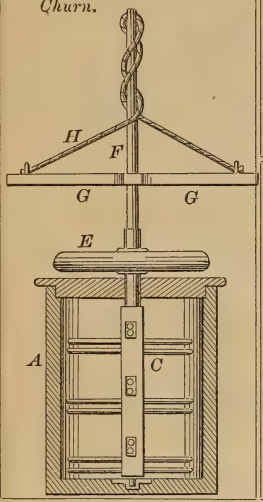
69622—D. Brooks—*Telegraph Insulator.*



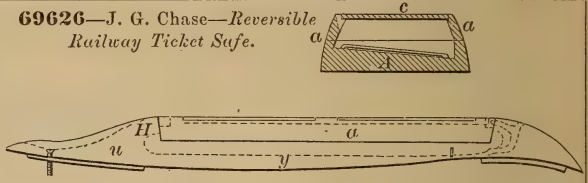
69623—A. H. Brown—*Churn.*



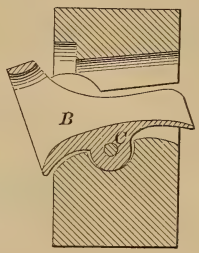
69624—M. M. Brown—*Churn.*



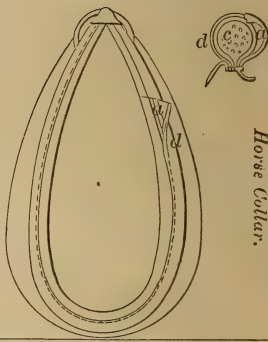
69626—J. G. Chase—*Reversible Railway Ticket Safe.*



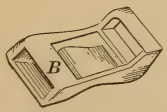
69625—P. Burnham—*Hause Pipe.*



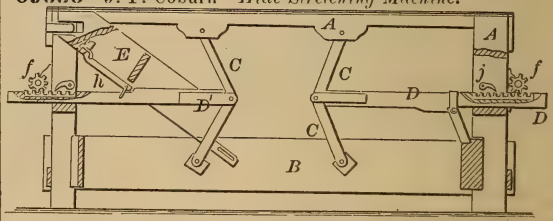
69627—Cheever & Forgie—*Horse Collar.*



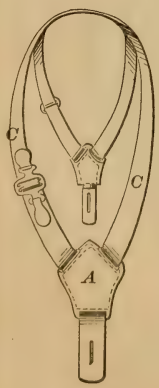
69628—Chenoweth & McLain—*Belt Clasp.*



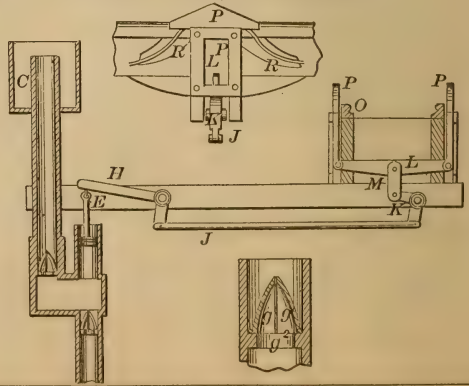
69630—J. F. Coburn—*Hide Stretching Machine.*



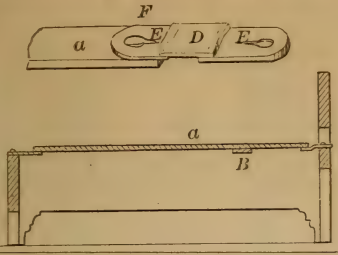
69629—C. H. Cleveland—*Suspenders.*



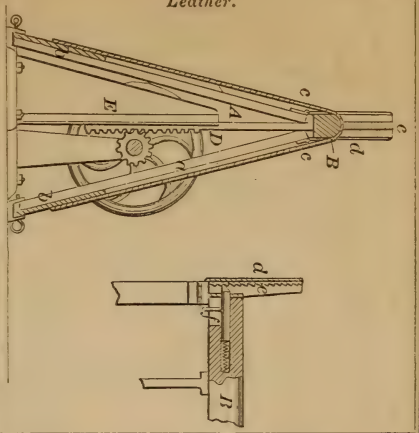
69631—M. S. Collar—*Railway Water Elevator.*



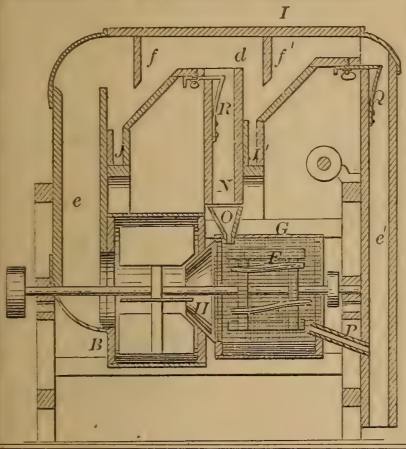
69632—H. M. Conklin—*Bed Bottom.*



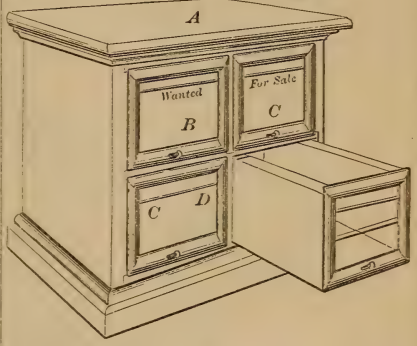
69633—Connelly & Hughes—*For Stretching Leather.*



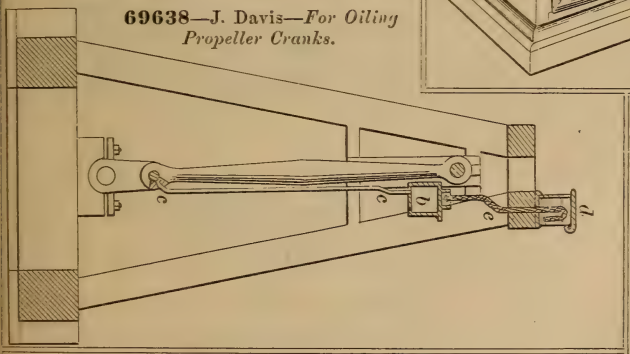
69634—W. W. Conner—*Smut Machine.*



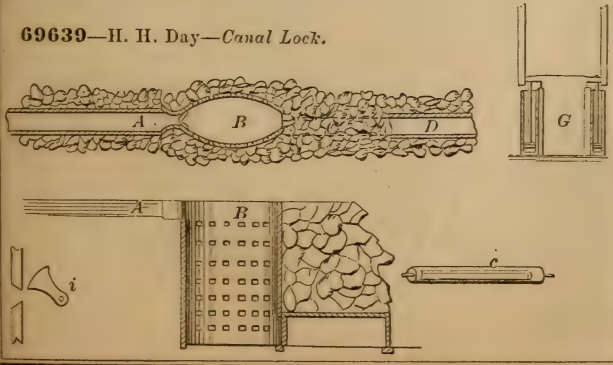
69637—A. Davis—*Advertising Device.*



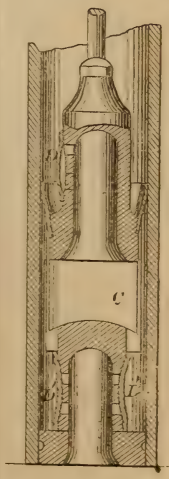
69638—J. Davis—*For Oiling Propeller Cranks.*



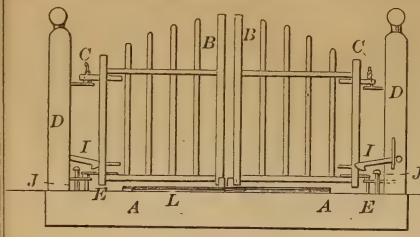
69639—H. H. Day—*Canal Lock.*

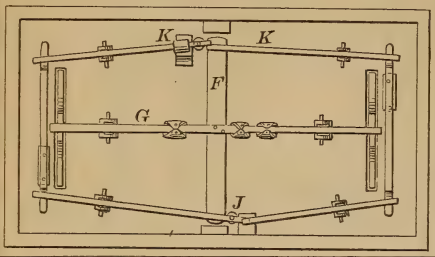


69635—J. E. Cronk—*Pump Valve.*

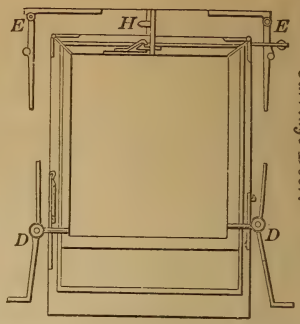


69640—S. M. Denniston—*Gate.*

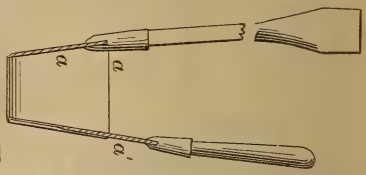




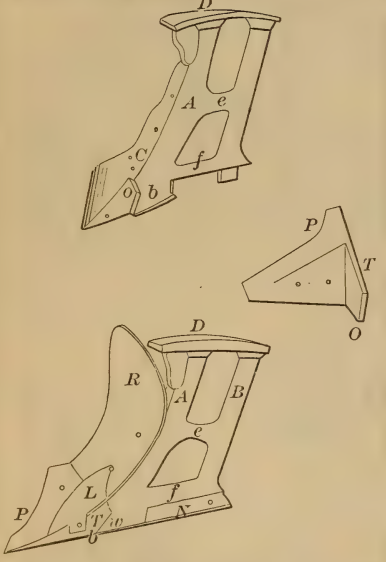
69641—Devilliard & Postwieler—*Carriage Door.*



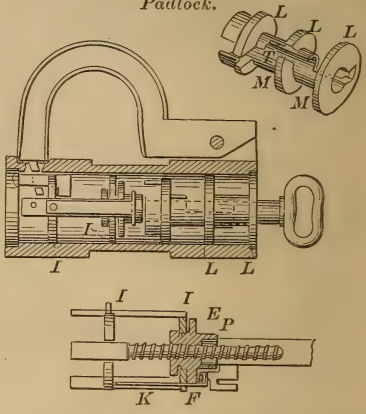
69642—C. R. Disbrow—*Transplanter.*



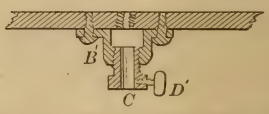
69643—J. G. Dodge—*Plow.*



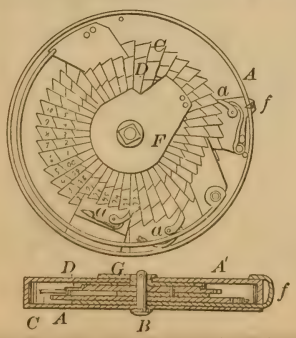
69645—B., J., S. B & A. H. Elbert—*Padlock.*



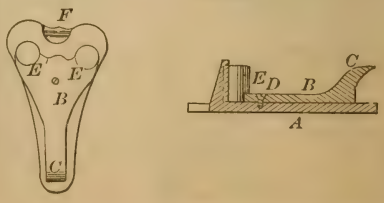
69644—J. D. Driggs—*Die Plate.*



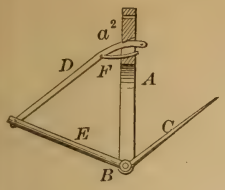
69647—G. Farmer—*Tallying Instrument.*



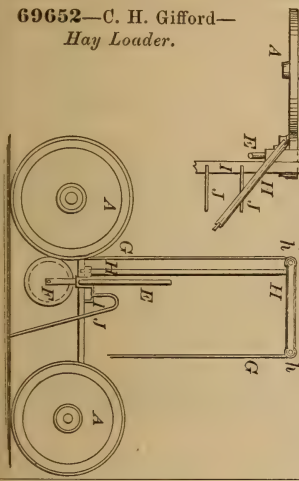
69646—J. H. Elward—*Clamp for Ropes and Wires.*



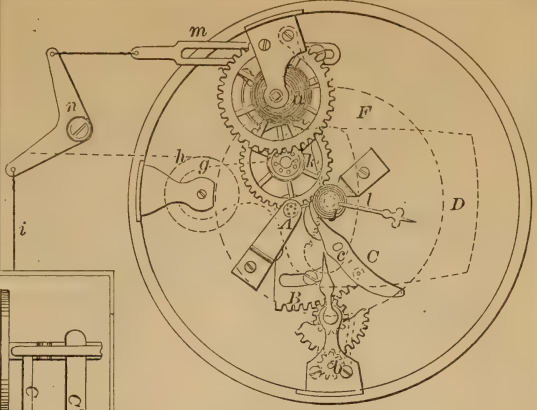
69651—C. H. Gifford—*Horse Hay Fork.*

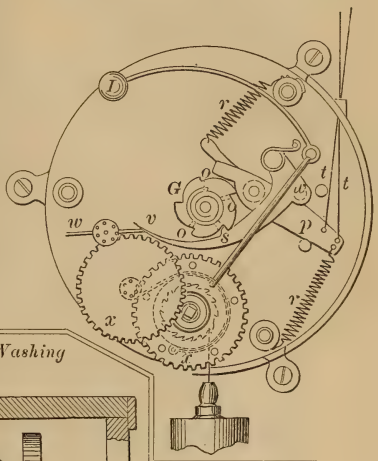


69652—C. H. Gifford—*Hay Loader.*

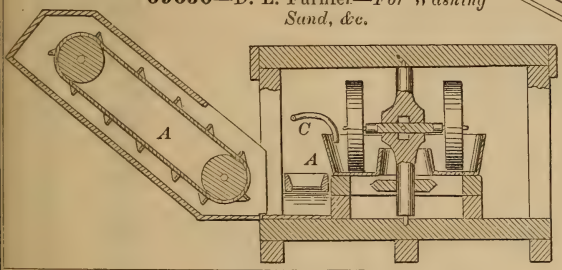


69648—A. & E. Fontaine—*Annunciating Fire Alarm.*

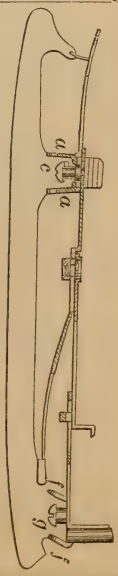




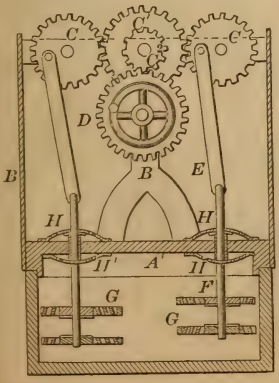
69650—D. L. Furnier—*For Washing Sand, &c.*



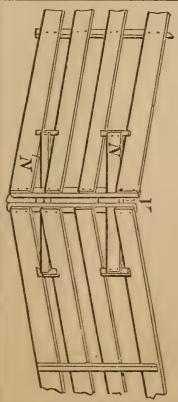
69649—J. Forbes—*Skate.*



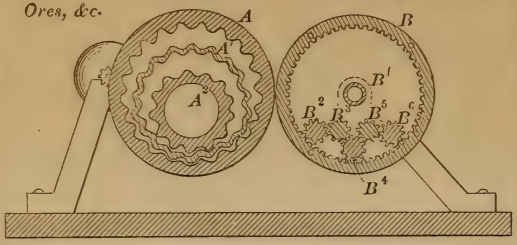
69653—E. L. Gilman—*Churn.*



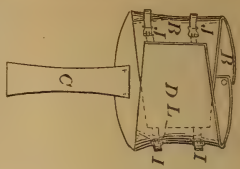
69654—N. J. Glover—*Portable Fence.*



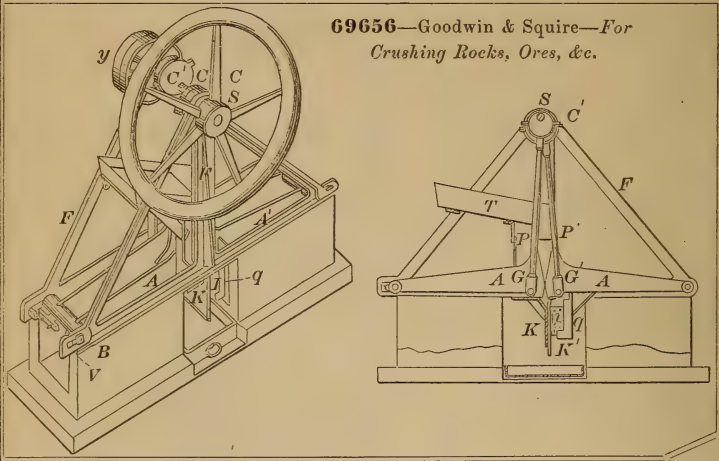
69655—Goodwin & Squire—*For Pulverizing Rocks, Ores, &c.*



69659—J. O. Hamilton—*Obstetrical Bandage.*

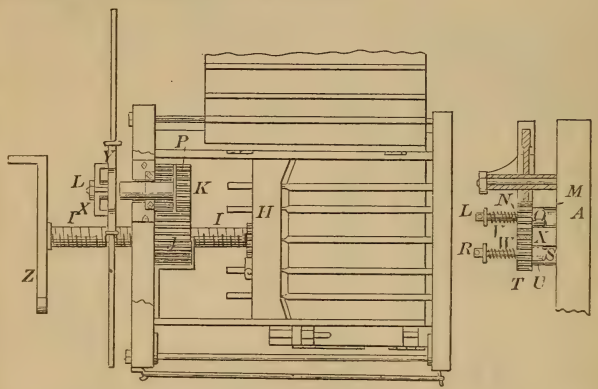


69656—Goodwin & Squire—*For Crushing Rocks, Ores, &c.*

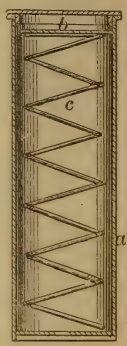


69660—J. Hammond—*Chimney Cap.*

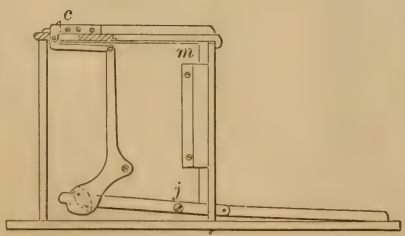
69657—T. D. Guthrie, Jr.—*Baling Press.*



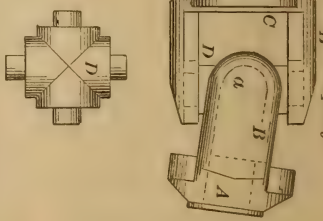
69658—W. Hamer—*Sliver Can for Cotton, &c.*



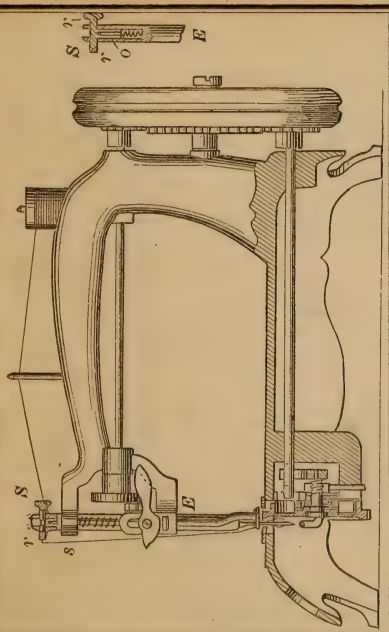
69661—J. B. Hannimann—*Water Closet.*



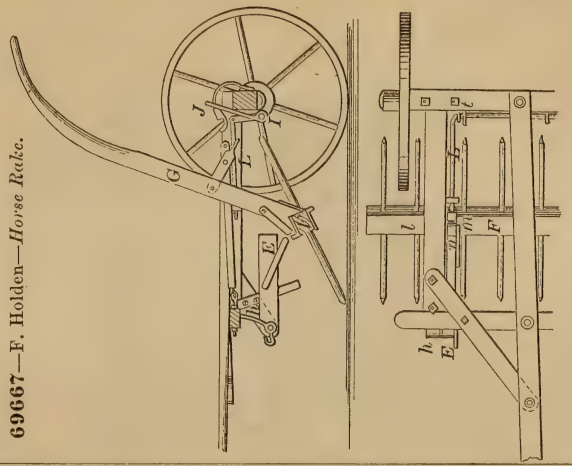
69662—C. Haskins—*Universal Coupling.*



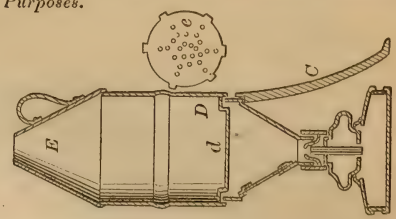
69666—C. Hodgkins—*Sewing Machine.*



69667—F. Holden—*Horse Rake.*



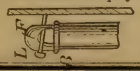
69670—J. C. House—*Lamp Heater for Dental Purposes.*



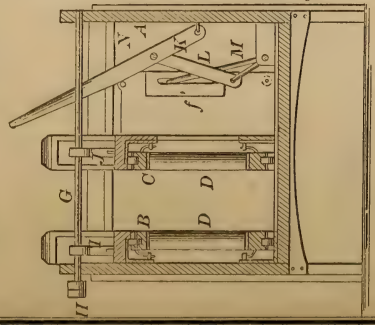
69669—A. H. Hopkins—*Buckle.*

69665—C. Hellen—*Egg Cup.*

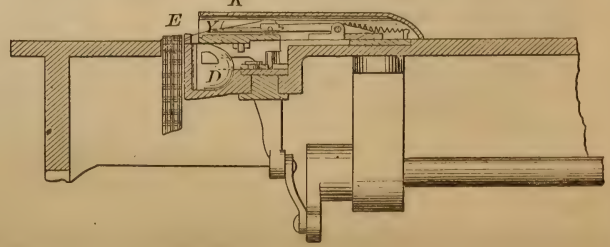
69664—M. C. Hawkins—*Tip for Suspending Brooms, &c.*



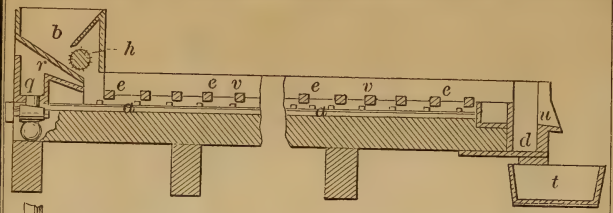
69668—S. R. Holmes—*Washing Machine.*

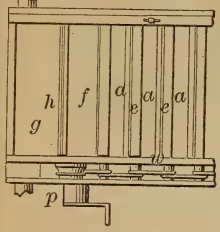


69671—Howard & Jackson—*Button Hole Sewing Machine.*

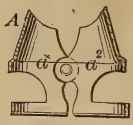


69672—W. W. Hubbell—*Amalgamator.*

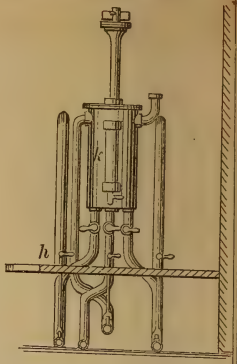




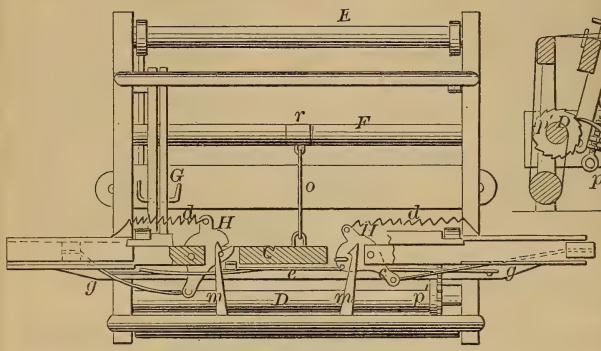
69674—A. Huston—*Brush Clamp.*

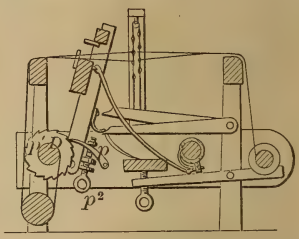


69675—J. Ingram—*Bathing Apparatus.*



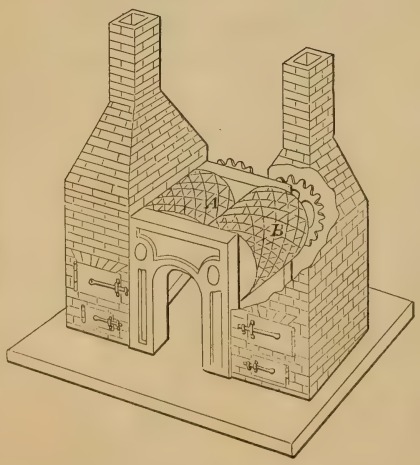
69673—H. D. Hunt—*Hand Loom.*



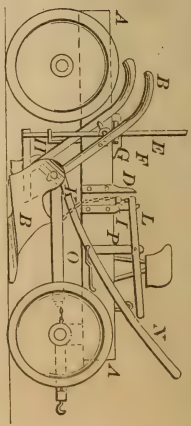


69676—W. J. Johnson—*Truss Pad.*

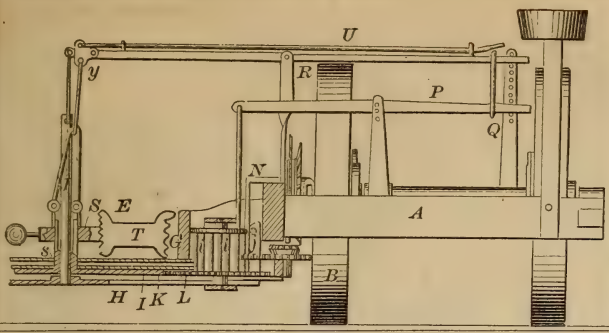
69677—J. Jones—*For Compressing Peat.*



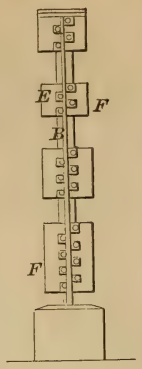
69678—J. L. Keasor—*Self-Acting Plow Holder.*



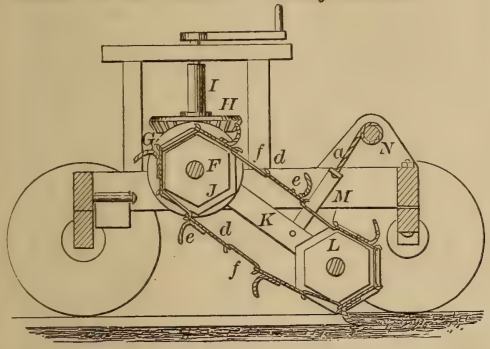
69679—J. M. & M. L. Kellar—*Harvester.*

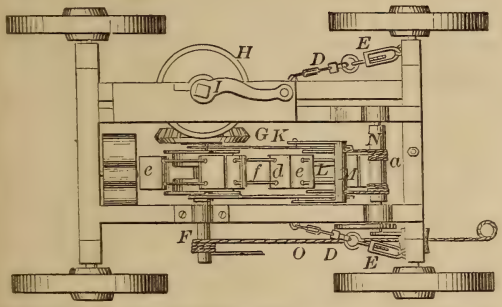


69680—J. E. & A. H. Kendeigh—*Fence Post.*

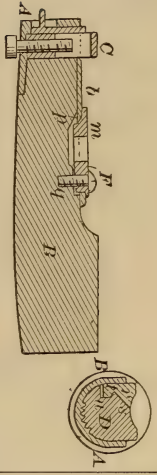


69682—A. La Tourrette—*Ditching Machine.*

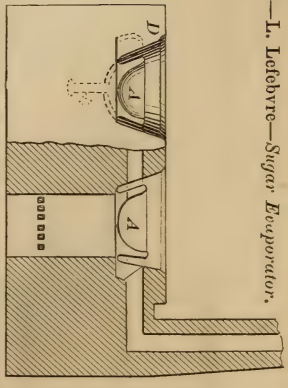




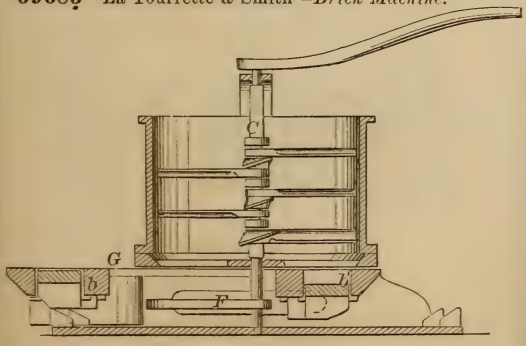
69681—S. U. King—*Scythe Fastening.*



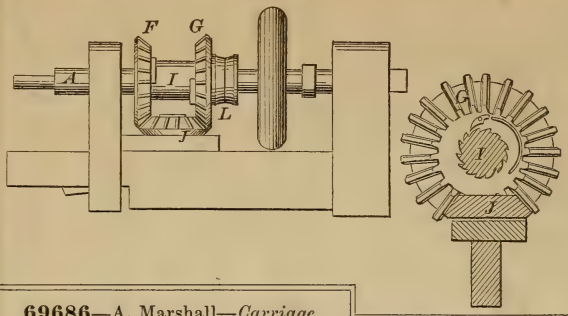
69684—L. Lefebvre—*Sugar Evaporator.*



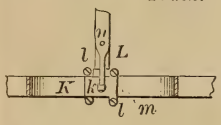
69683—La Tourrette & Smith—*Brick Machine.*

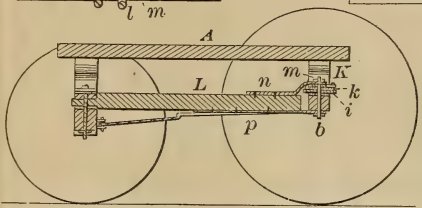


69685—B. M Lewy—*Lathe.*

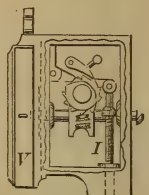


69686—A. Marshall—*Carriage Truck.*

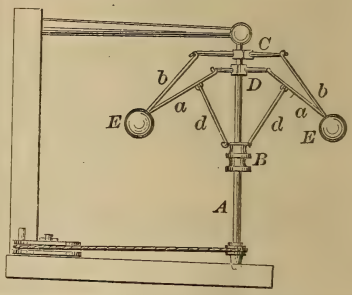




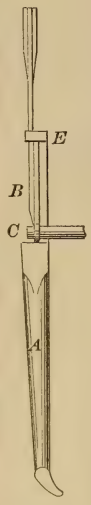
69688—J. Melling—*Passenger Register.*



69687—E. L. McNett—*Governor.*

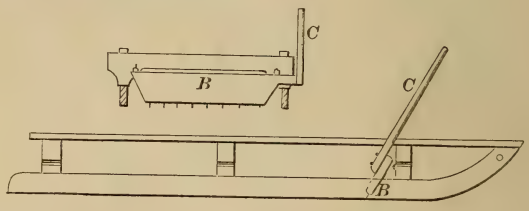


69689—M. J. Mellyn—*Cutting Tool.*

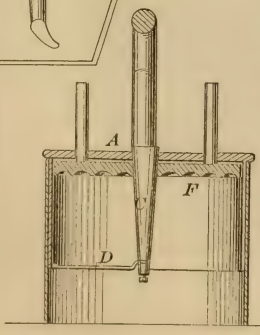


69691—F. Meyer—*Scoop for Scales.*

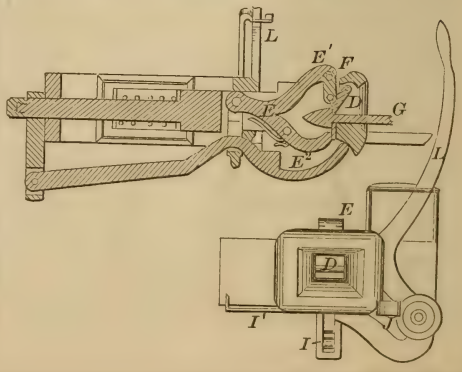
69692—T. S. Minniss—*Sled Brake.*



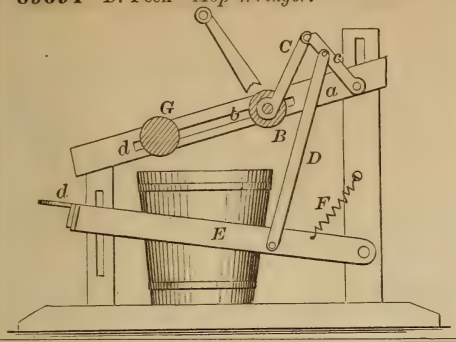
69690—A. N. Merritt—*Butter Cutter.*



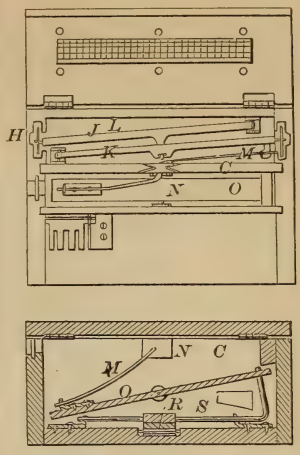
69693—Moore & Baker—*Car Coupling.*



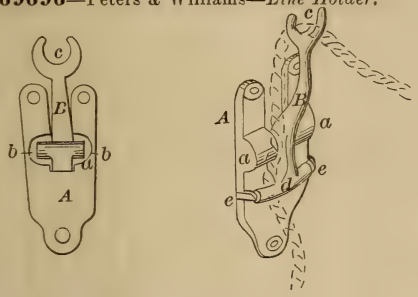
69694—D. Peck—*Mop Wringer.*



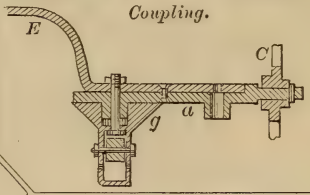
69695—S. Pence—*Animal Trap.*



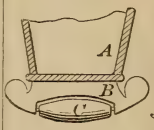
69696—Peters & Williams—*Line Holder.*



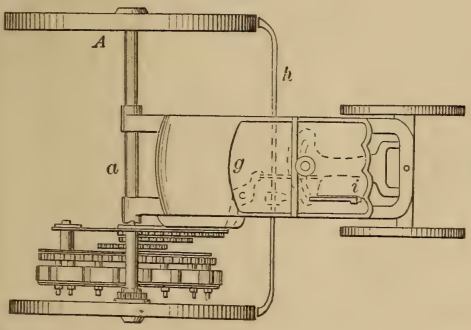
69697—J. Pierpont—*Cultivator Coupling.*



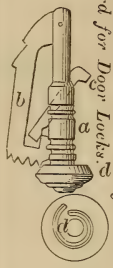
69698—P. Power—*Rocker for Cradles.*



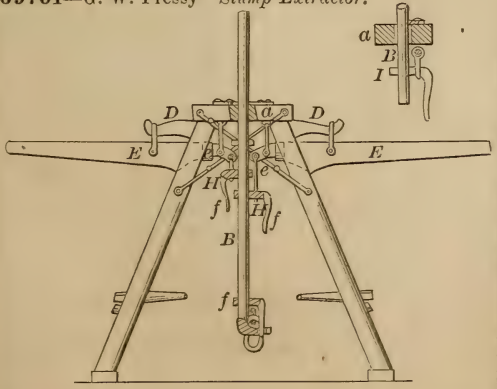
69699—D. A. Pratt—*Motive Power.*



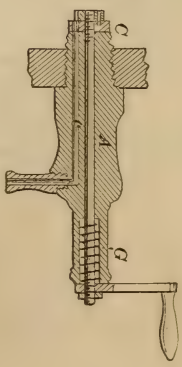
69700—D. A. Pratt—*Key Hole Guard for Door Locks.*



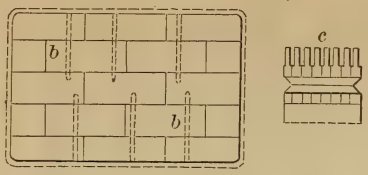
69701—G. W. Pressy—*Stump Extractor.*



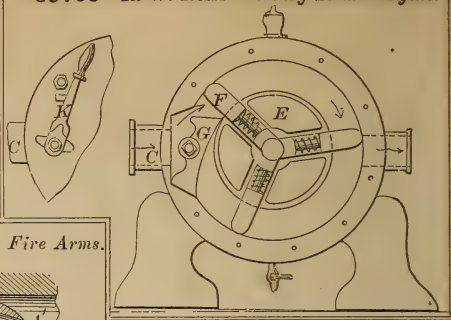
69702—J. G. Raymond—*Boiler Gauge Cock.*



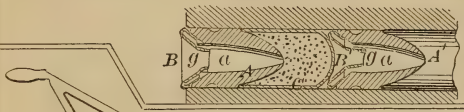
69703—R. L. Ream—*Wooden Pavement.*



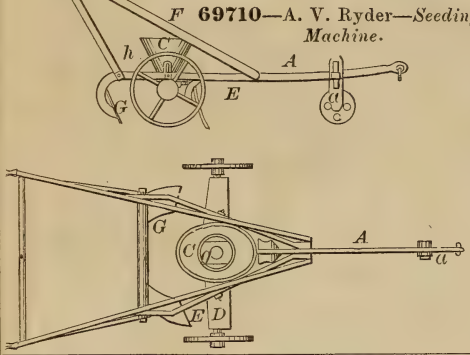
69705—R. W. Reiss—*Rotary Steam Engine.*



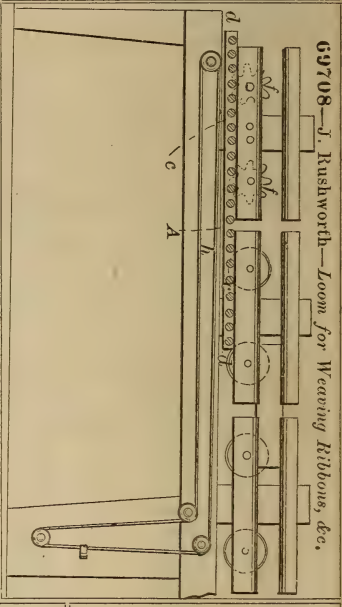
69707—J. Rupertus—*Cartridge for Fire Arms.*



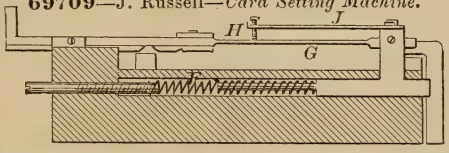
69710—A. V. Ryder—*Seeding Machine.*



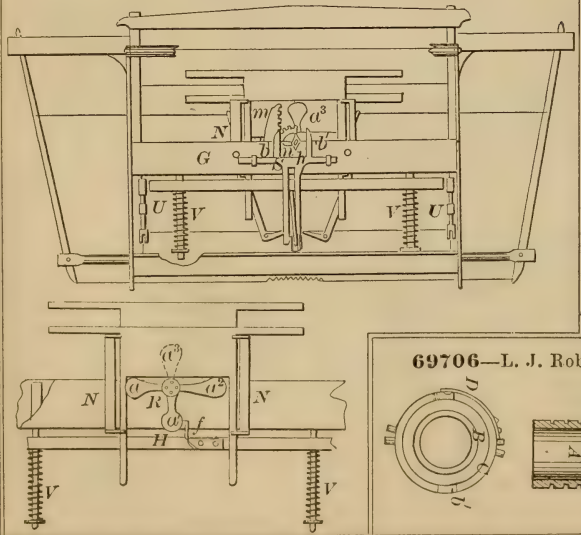
69708—J. Rushworth—*Loom for Weaving Ribbons, &c.*



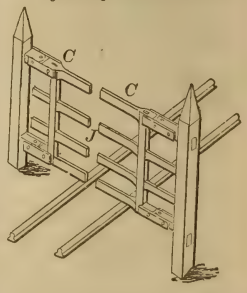
69709—J. Russell—*Card Setting Machine.*



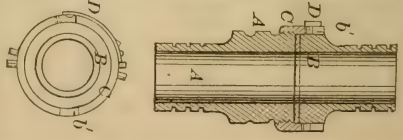
69711—L. Scofield—*Loom.*



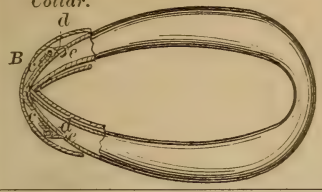
69704—P. S. Reist—*Self-Adjusting Elastic Gate.*



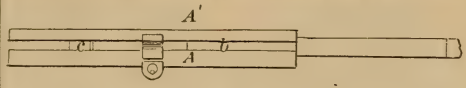
69706—L. J. Roberts—*Hose Coupling.*



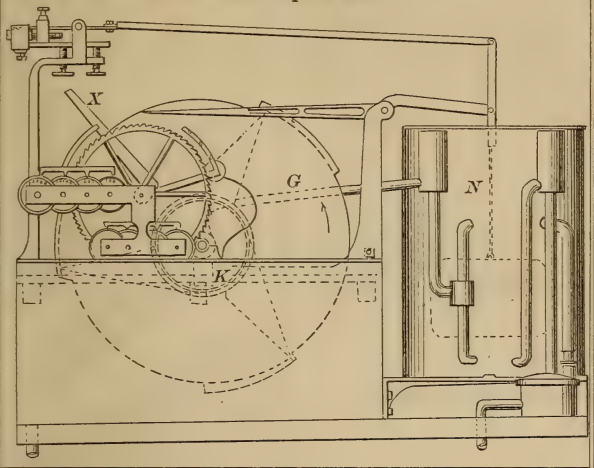
69712—Shipley & Moody—*Horse Collar.*



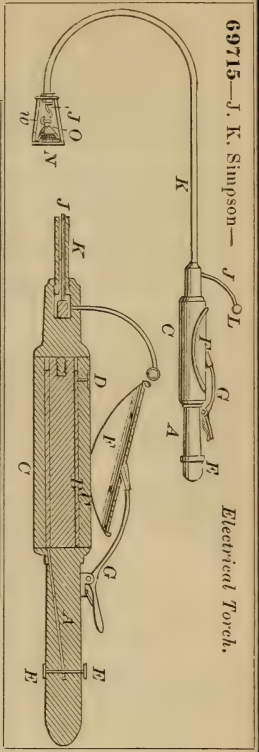
69716—F. Smith—*Wagon Hound and Pole Brace.*



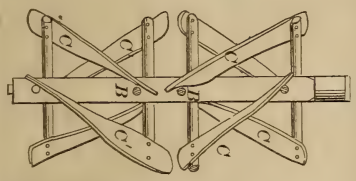
69714—Siemens & Halske—*Spirit Meter.*



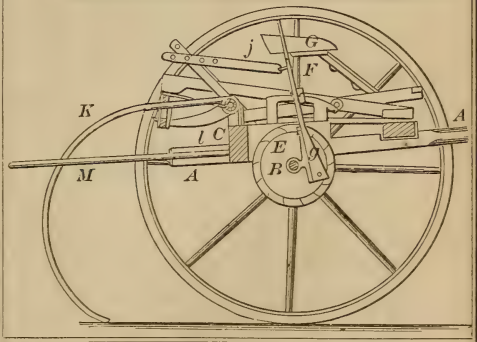
69715—J. K. Simpson—*Electrical Torch.*



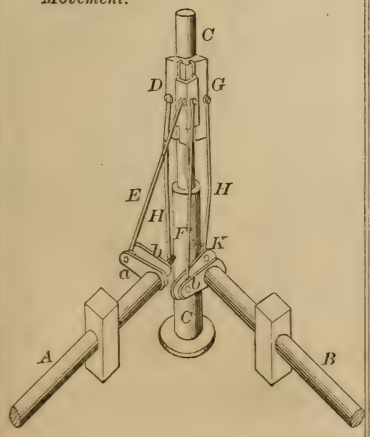
69718—J. Smith—*Churn Dasher.*



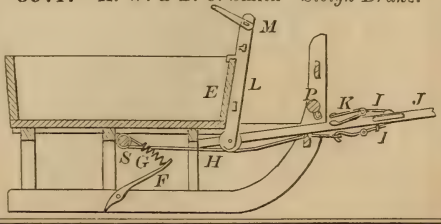
69713—J. H. Shireman—*Horse Rake.*



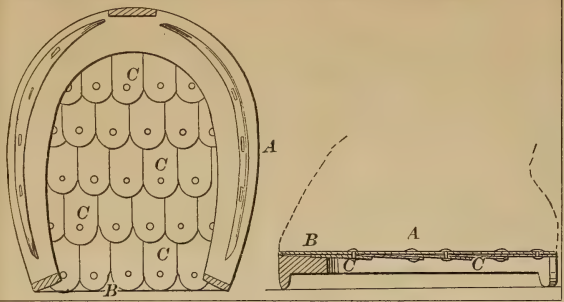
69719—Snell & Penney—*Mechanical Movement.*



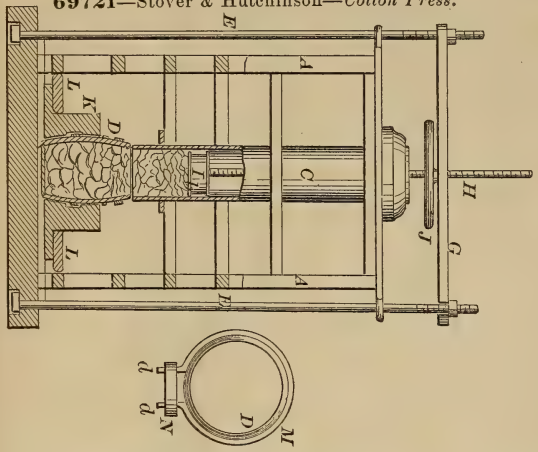
69717—H. W. & B. C. Smith—*Sleigh Brake.*



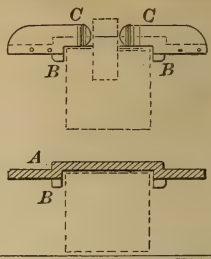
69720—H. Splitdorf—*Armor for Horses' Hoofs.*



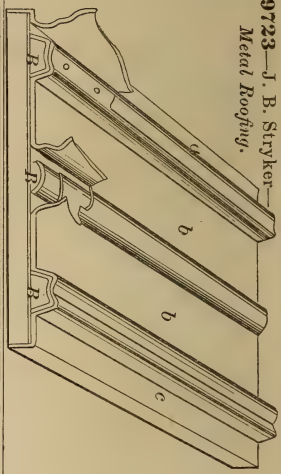
69721—Stover & Hutchinson—*Cotton Press.*



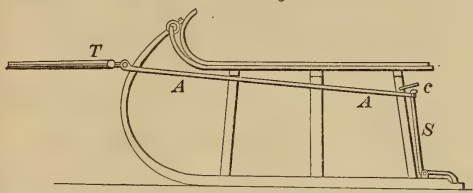
69722—J. E. Strode—*Wagon Brace and Fender.*



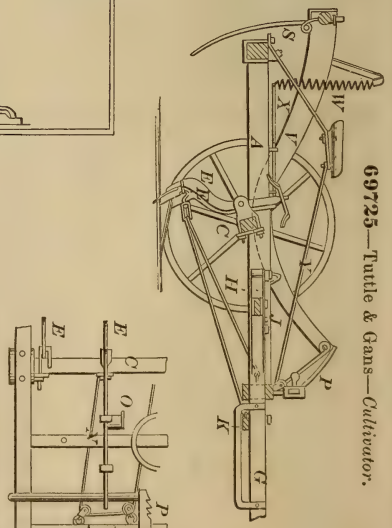
69723—J. B. Stryker—*Metal Roofing.*



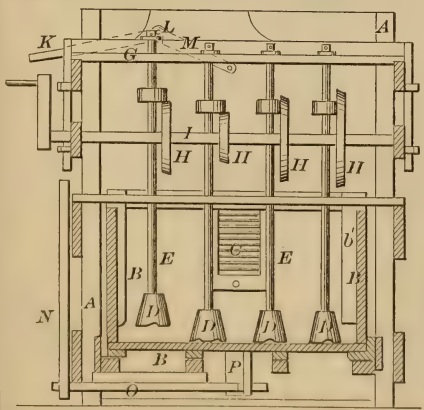
69724—Teelin & Swift—*Sleigh Brake.*



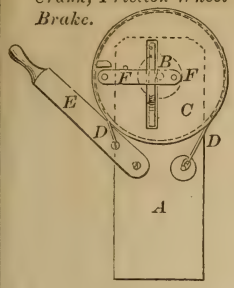
69725—Tuttle & Gans—*Cultivator.*



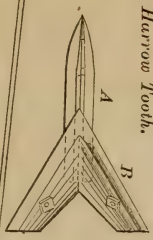
69726—J. Vail—*Washing Machine.*



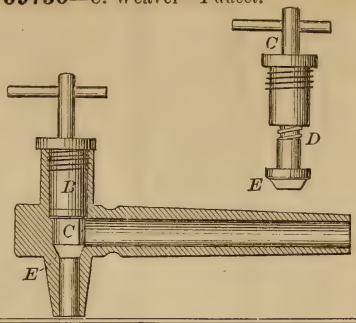
69727—R. M. Van Sickler—*Crank, Friction Wheel and Brake.*



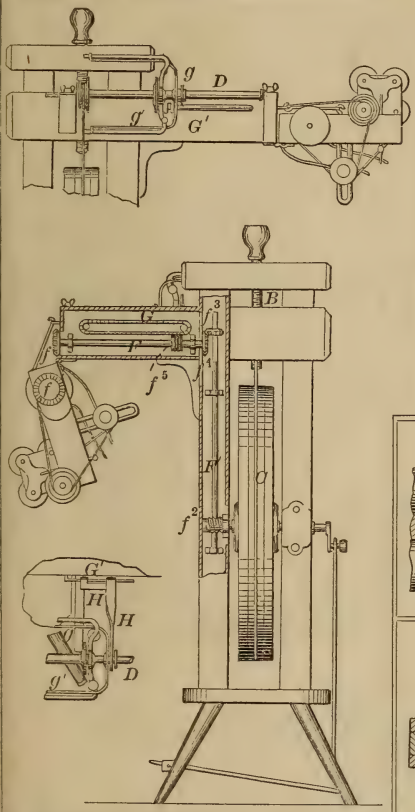
69731—West & Paul—*Cultivator and Harrow Tooth.*



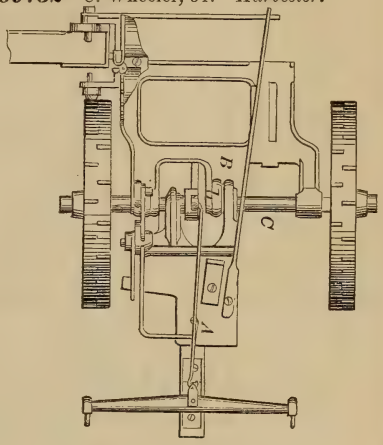
69730—C. Weaver—*Faucet.*



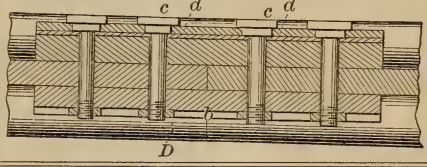
69728—F. Voegtli—*Spinning Machine*



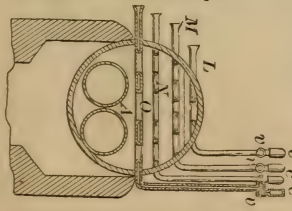
69732—C. Wheeler, Jr.—*Harvester.*



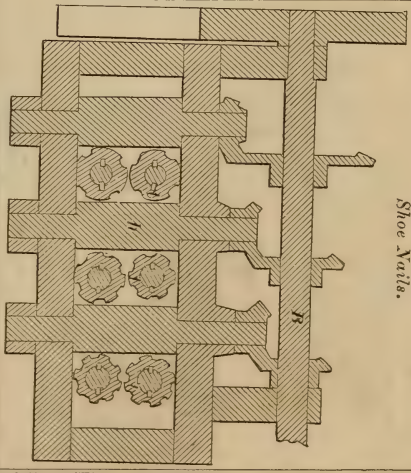
69733—T. Whittemore—*Railway.*



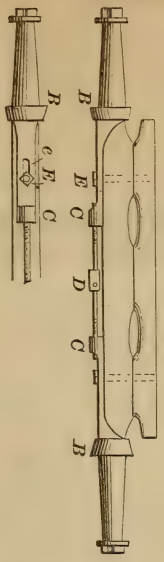
69729—J. C. Walker—*Hot Air, Steam and Water Gauge.*



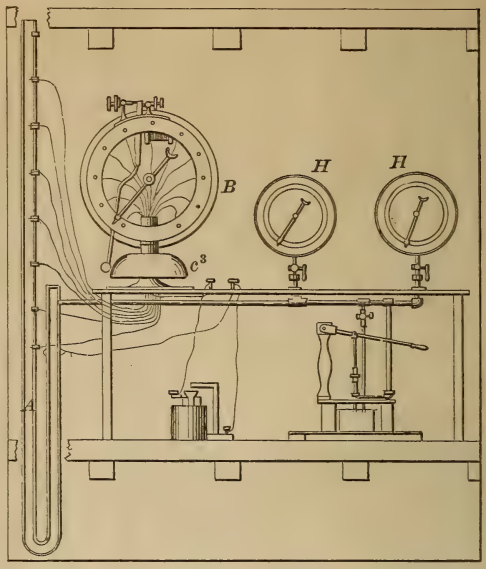
69734—W. Wickersham—*For Making Horse Shoe Nails.*

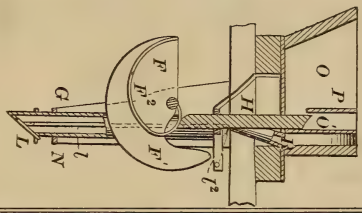


69735—J. A. Williams—*Thimble Skein for Axles.*

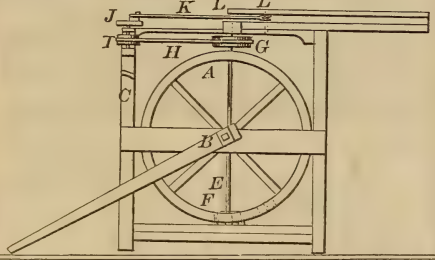


69737—E. A. Wood—*Electric Steam Gauge.*

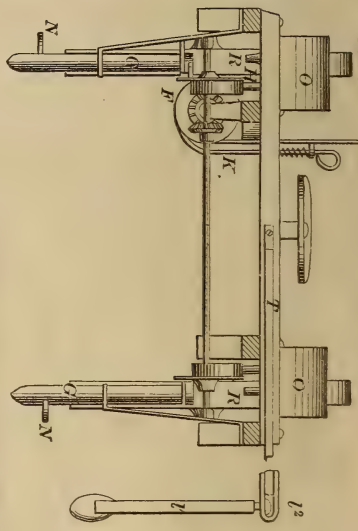




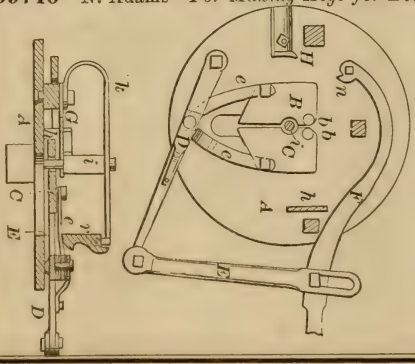
69736—T. Wiltse, Jr.—*Horse Power.*

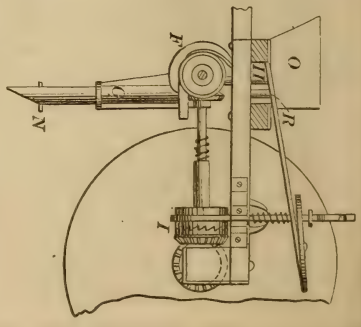


69739—G. Abbott—*Corn Planter.*

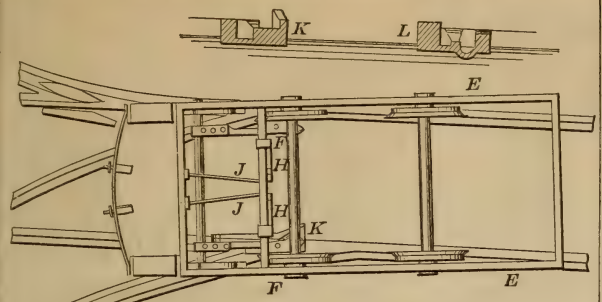


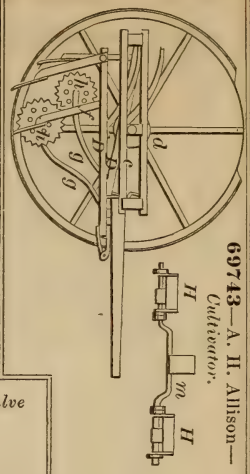
69740—N. Adams—*For Making Keys for Bolts.*





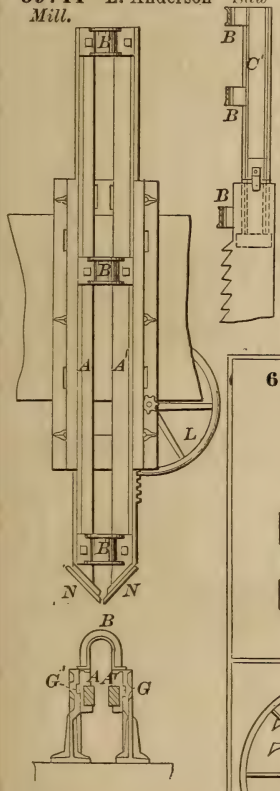
69741—Allen & Snow—*Railroad Switch.*



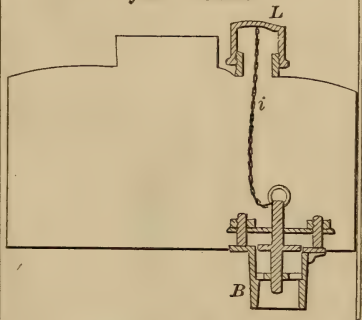


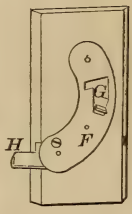
69743—A. H. Allison—*Cultivator.*

69744—L. Anderson—*Saw Mill.*



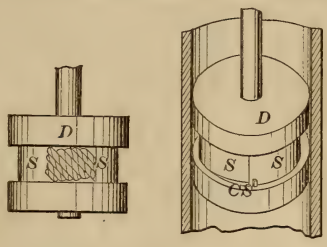
69745—S. Andrews—*Safety Valve for Oil Stills.*

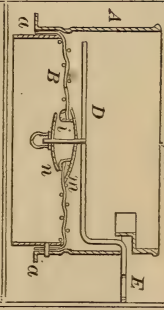




69746—H. G. Arnold—*Window Sash Fastener.*

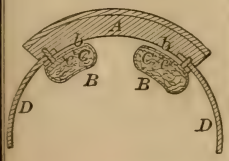
69747—M. W. Baily—*Piston Packing.*

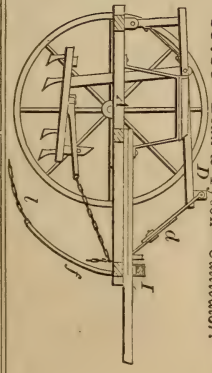




69748—D. W. Barker—*Ash Sifter.*

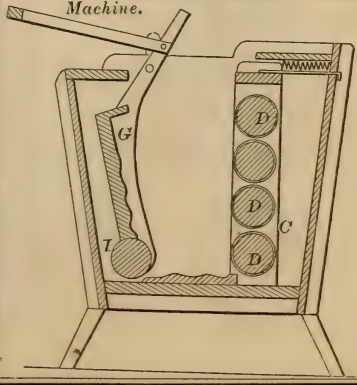
69749—J. Bea—*Cart Saddle.*



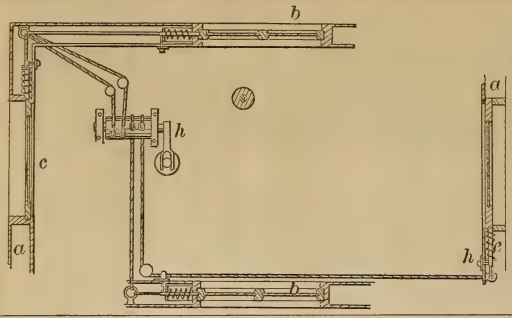


69750—Bean & Tyson—*Cultivator.*

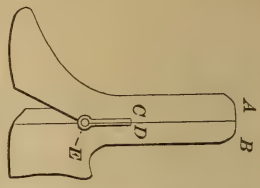
69751—Bernhardt & Houston—*Washing Machine.*



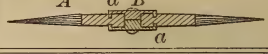
69753—A. H. Boyd—*For Locking Doors and Windows.*



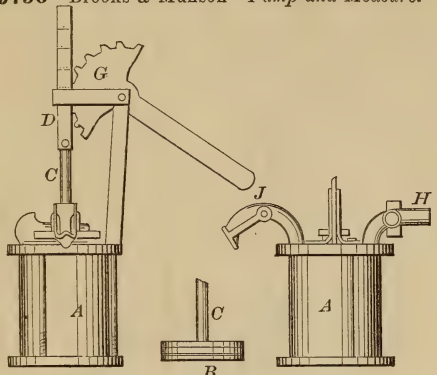
69754—A. N. Breneman—*Shoe Holder.*



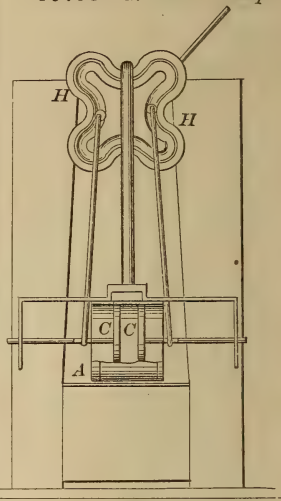
69755—J. H. Briggs—*Comb.*



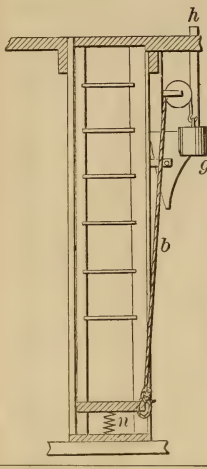
69756—Brooks & Munson—*Pump and Measure.*



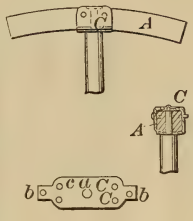
69758—G. Bruce—*Pump.*



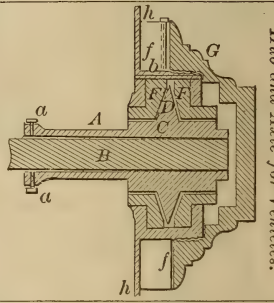
69759—T. B. Bryson—*Dumb Waiter.*



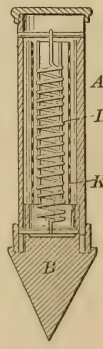
69757—R. Brooks, Jr.—*Carriage Wheel.*



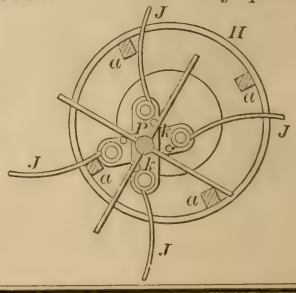
69760—D. M. Buckhout—*Hub and Axle for Vehicles.*



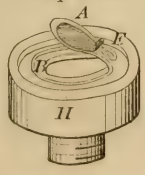
69762—H. G. Cady—*Well Point.*



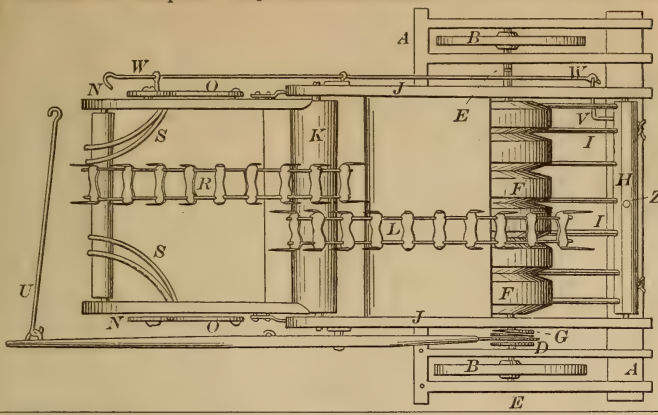
69761—G. E. Burt—*Hay Spreader.*



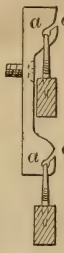
69763—H. G Cady—*Pump Valve.*



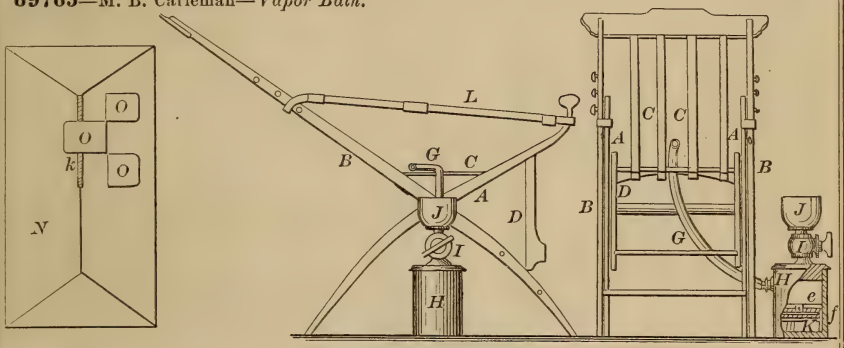
69764—A. Campbell—*Hay Raker and Loader.*



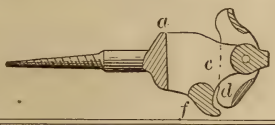
69766—E. Carrington—*Drapery Hook.*



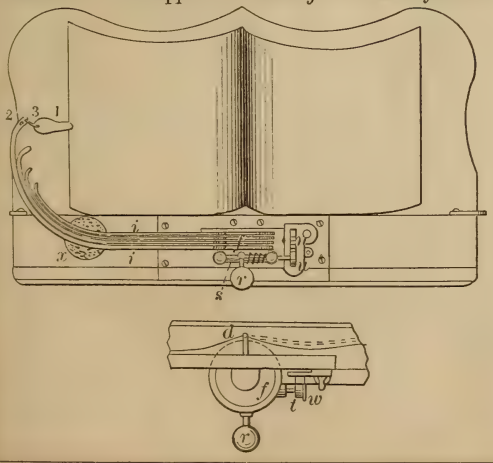
69765—M. B. Carleman—*Vapor Bath.*



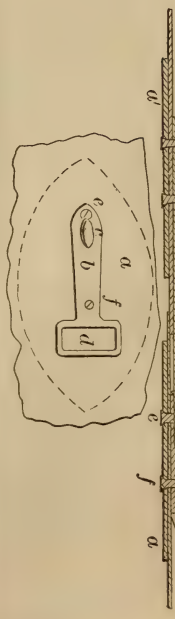
69767—A. J. Chase—*Rope or Line Holder.*



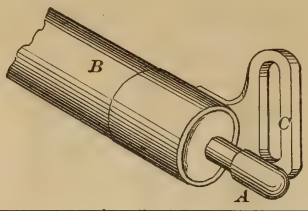
69770—C. C. Clapp—*For Turning the Leaves of Books.*



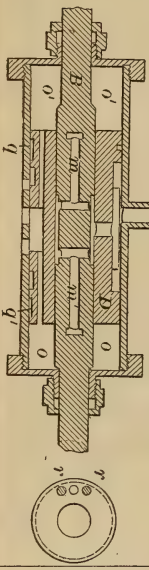
69768—L. C. Chase—*Blanket Fastener.*



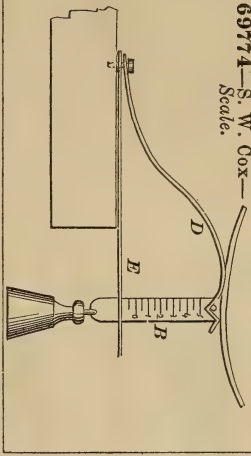
69771—L. C. Clark—*Trace Fastening.*



69772—J. Colbaith—*Valve for Steam Engines.*

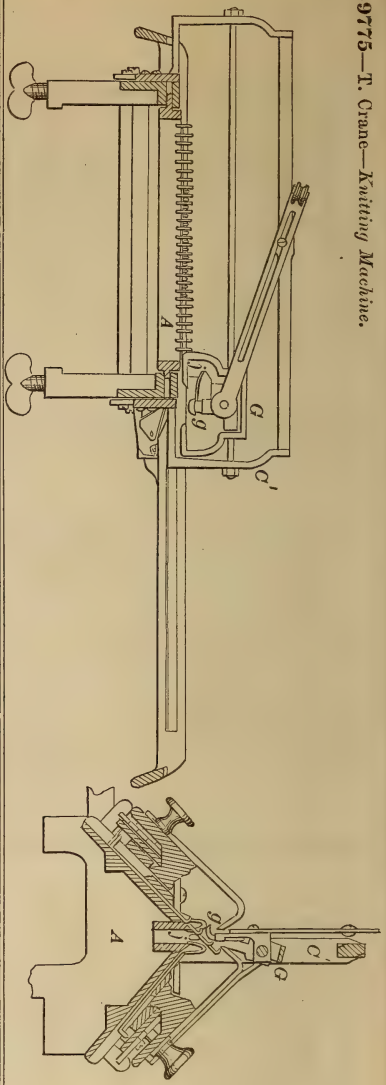


69774—S. W. Cox—*Scale.*

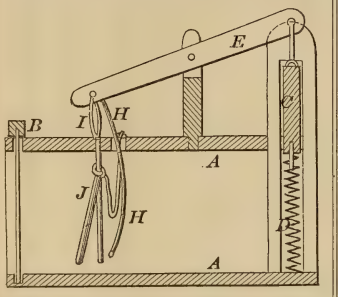


69773—J. E. Cowdery—*Sash Frame.*

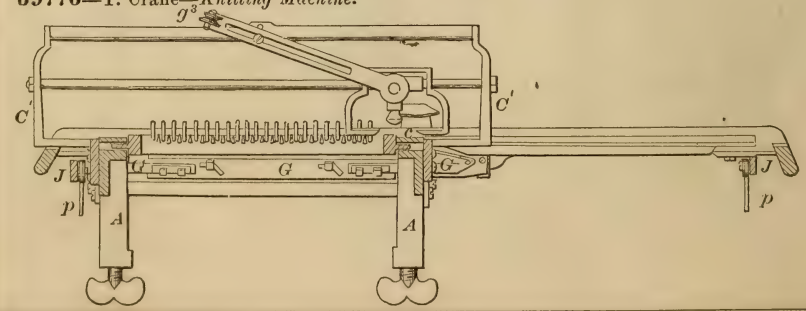
69775—T. Crane—*Knitting Machine.*



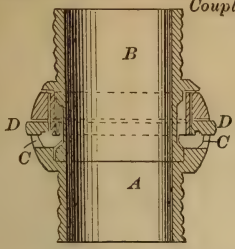
69777—J. Curtis—*Animal Trap.*



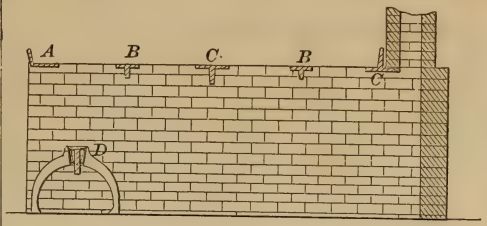
69776—T. Crane—*Knitting Machine.*



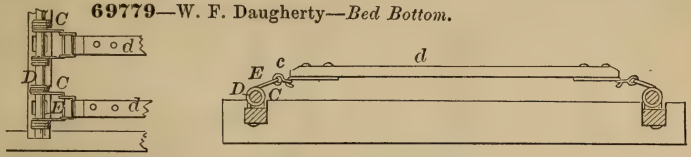
69778—M. S. Curtis—*Hose Coupling.*



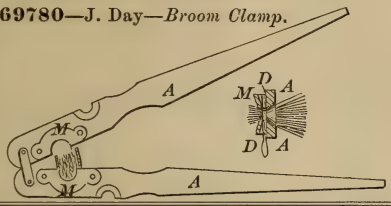
69781—G. S. Deane—*Arch Bar for Furnaces.*



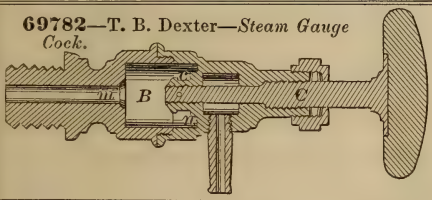
69779—W. F. Daugherty—*Bed Bottom.*



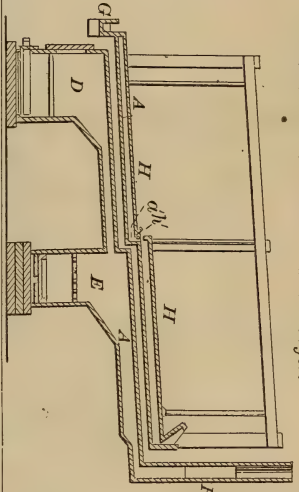
69780—J. Day—*Broom Clamp.*



69782—T. B. Dexter—*Steam Gauge Cock.*

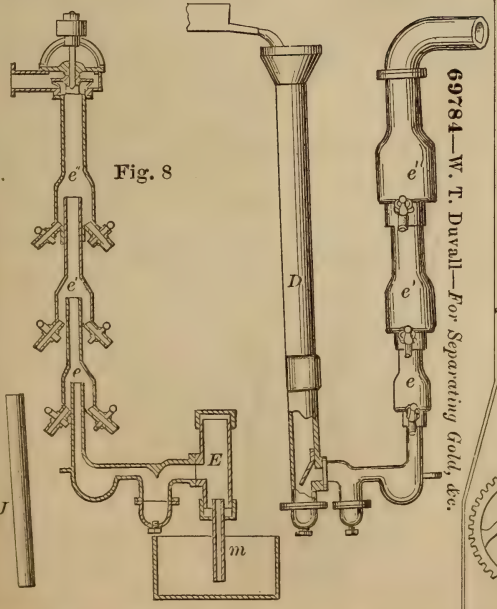


69785—J. R. Evertson—*Grain Dryer.*

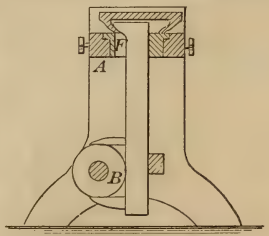


69784—W. T. Duvall—*For Separating Gold, &c.*

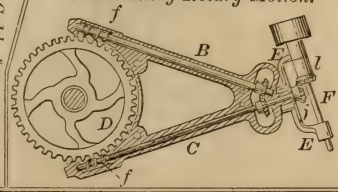
Fig. 8



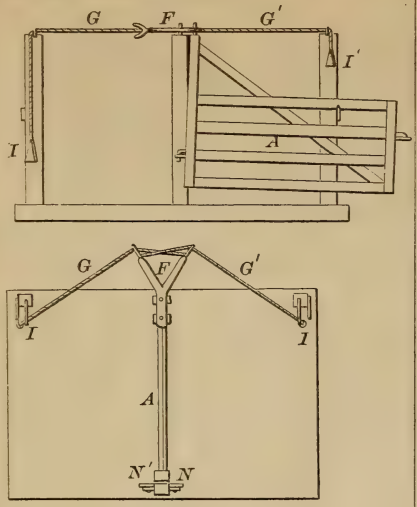
69786—D. Eynon—*For Slotting the Lips of Railroad Chairs.*



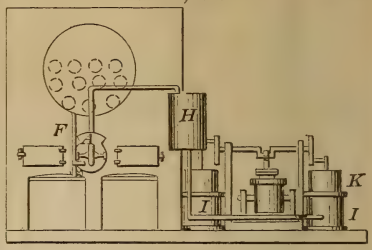
69787—L. B. Flanders—*For Transmitting Rotary Motion.*



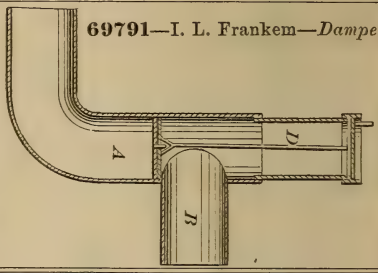
69788—D. Flint—*Gate.*



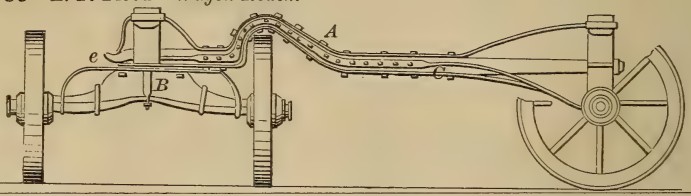
69790—H. R. Foote—*Furnace for Steam Boilers, &c.*



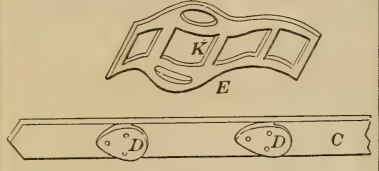
69791—I. L. Frankem—*Damper.*



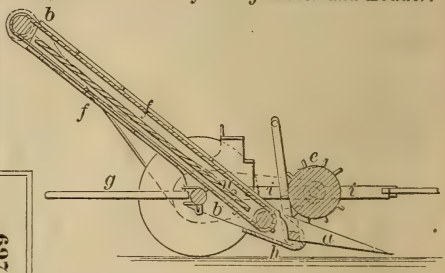
69789—E. F. Flood—*Wagon Reach.*



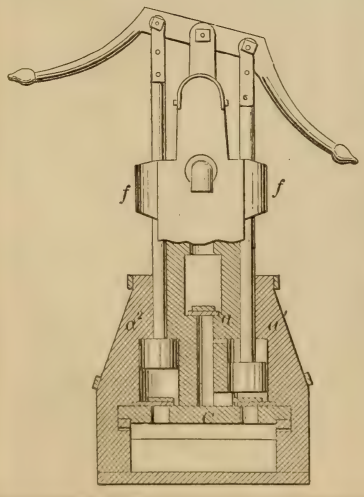
69793—J. N. Gaston—*Buckle.*



69794—A. Godfrey—*Hay Raker and Loader.*



69792—W. A. Fry—*Pump.*



69795—M. C. Gordon—*Churn.*

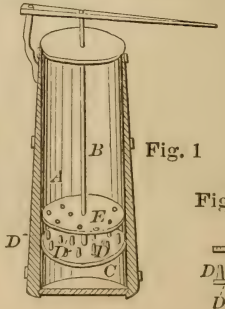
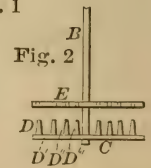
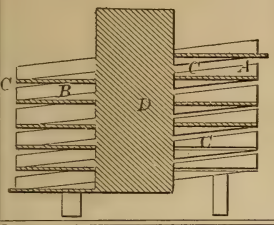


Fig. 1

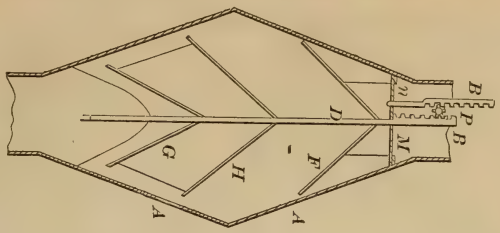
Fig. 2



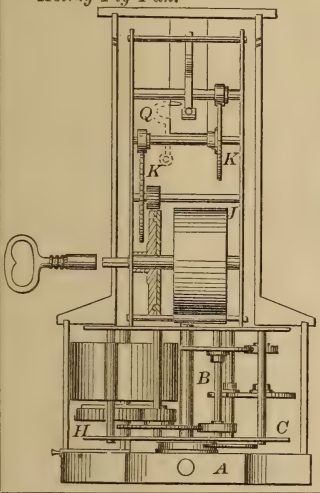
69797—M. Gould—*For Cooling Liquids.*



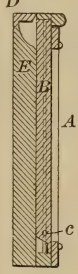
69798—J. Grabner—*Heat Radiating Attachment.*



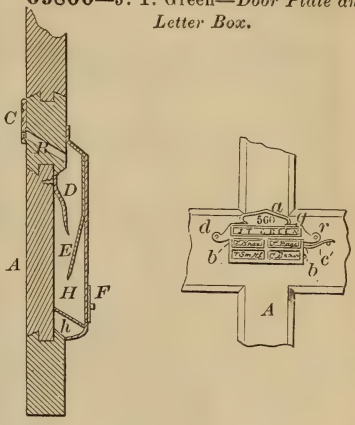
69802—Harrell & Hall—*Self-Acting Fly Fan.*



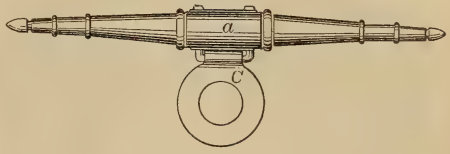
69799—J. G. Greene—*Panel Table.*



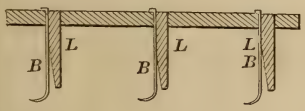
69800—J. T. Green—*Door Plate and Letter Box.*



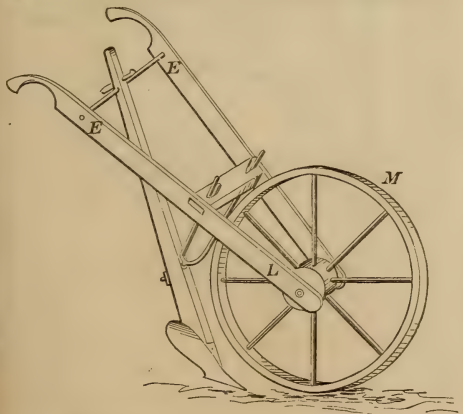
69804—T. S. Harris—*Wagon Jack.*



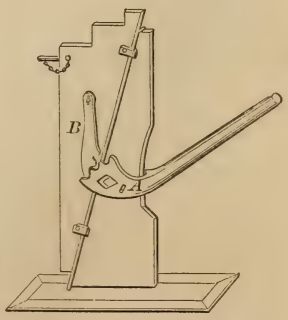
69801—D. Guptail—*Cultivator.*



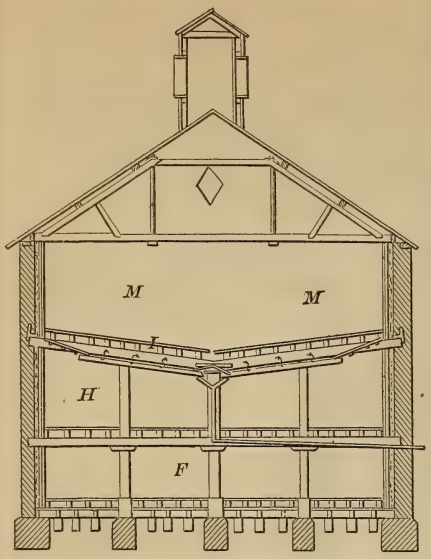
69803—C. A. Harris—*Garden Plown Cultivator.*



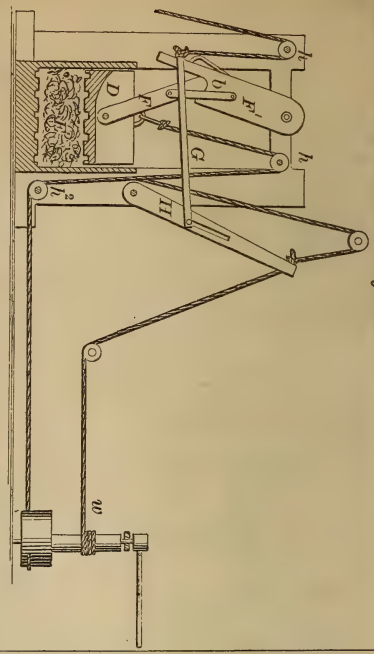
69805—T. Heaton—*Carriage Tongue Holder.*



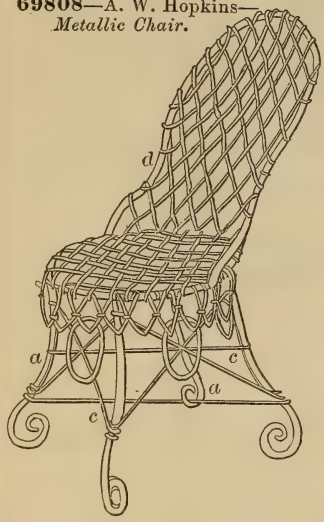
69806—N. Hellings—*For Preserving Fruit.*



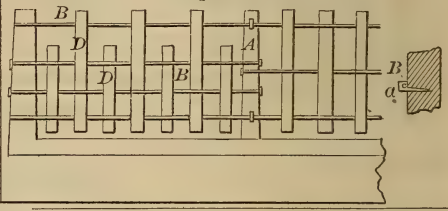
69807—Hoke & Brown—*Baling Press.*



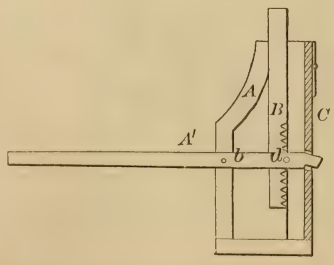
69808—A. W. Hopkins—*Metallic Chair.*



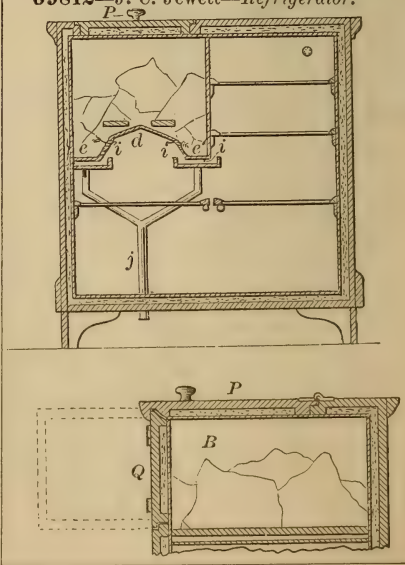
69809—D. S. Humphrey—*Farm Fence.*



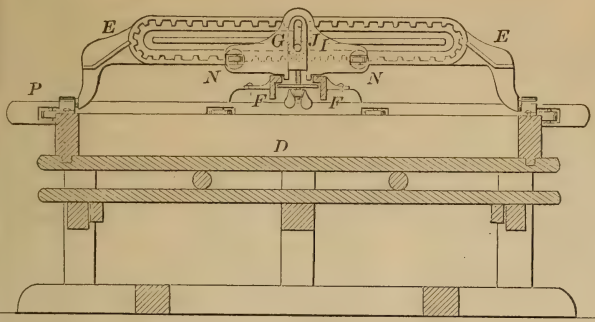
69810—J. Hunt, Jr.—*Wagon Jack.*



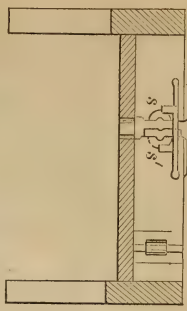
69812—J. C. Jewett—*Refrigerator.*



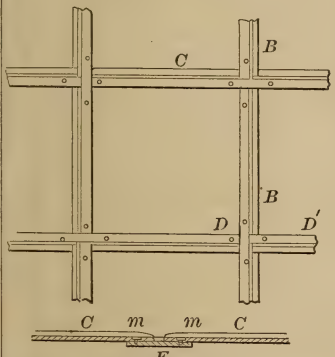
69813—J. Johansen—*Mangle.*



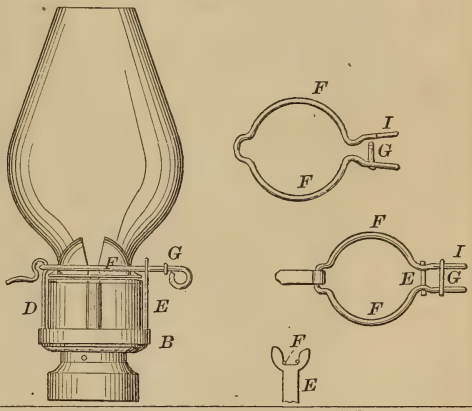
69816—J. Kaylor—*Patch Bolt Machine.*



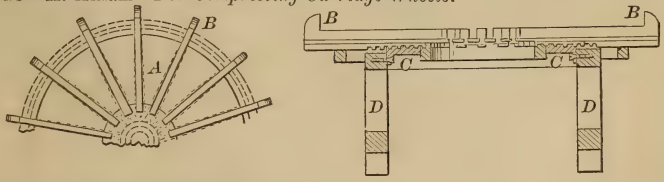
69814—C. W. Jones—*Street Railway Crossing.*



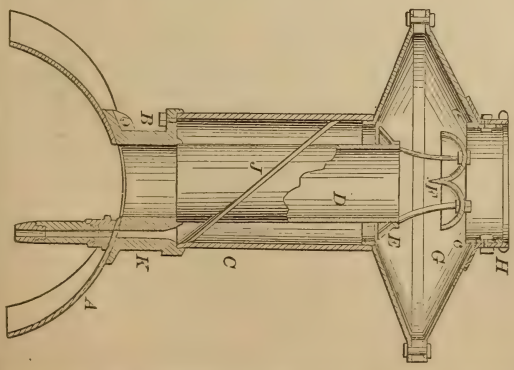
69815—A. Judson—*Lamp.*



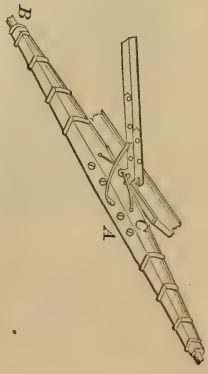
69818—H. Killam—*For Compressing Carriage Wheels.*



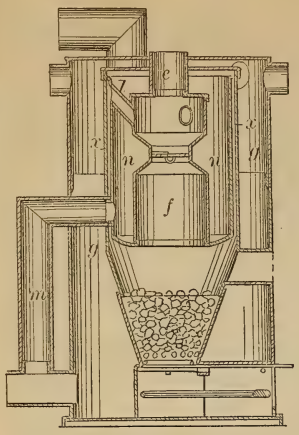
69817—P. Kelly—*Spark Arrester.*



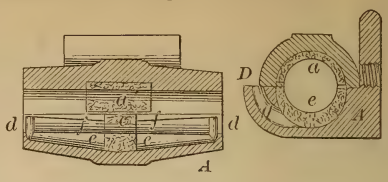
69819—G. P. Kimball—*Wagons Axletree.*



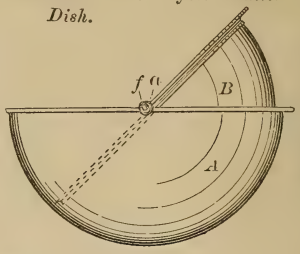
69820—A. Kohler—*Hot Air Furnace.*



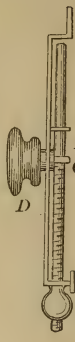
69822—E. F. Light—*Journal Box.*



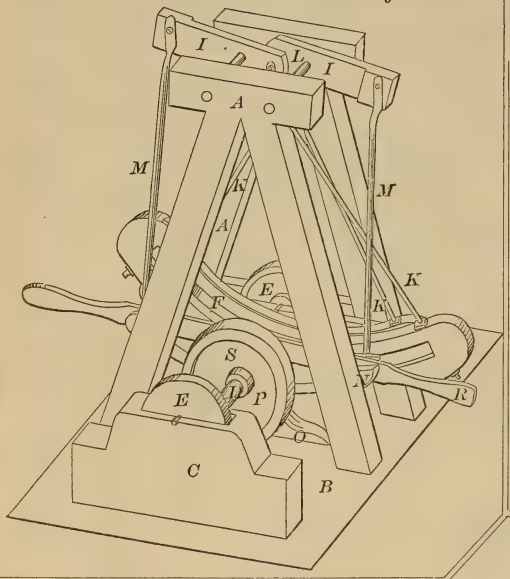
69824—D. T. Lyon—*Butter Dish.*



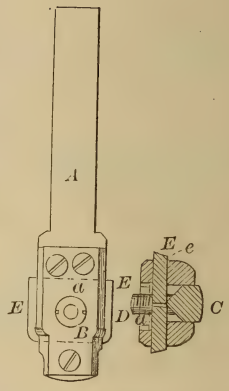
69823—H. & A. Lovie—*Curtain Fixture.*



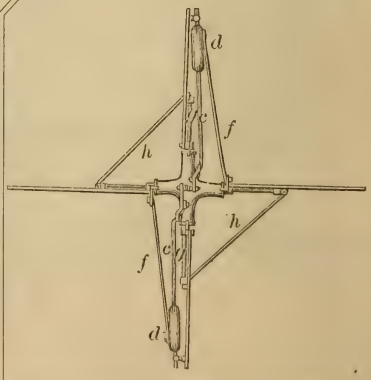
69821—J. F. Latimer—*For Accumulating Power.*



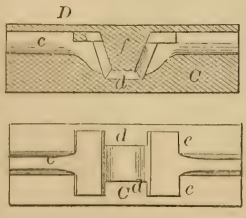
69825—G. Mackinnon—*Expansion Drill.*



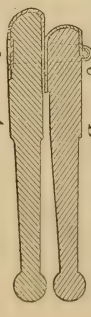
69828—E. W. Mills—*Wind Mill.*



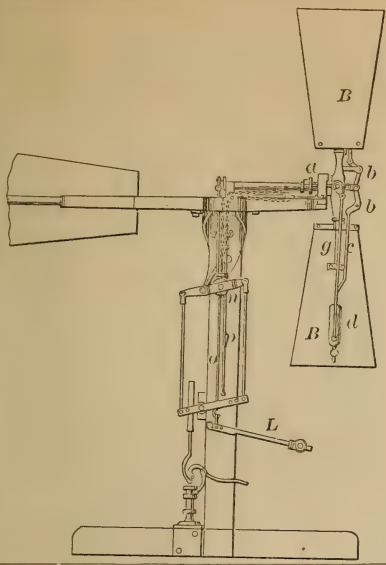
69827—E. Meeker—*Carriage Clip.*



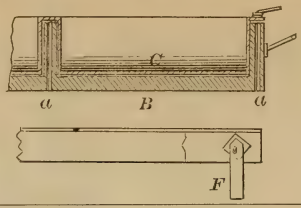
69826—S. Marston—*For Straining Brands about Boxes.*



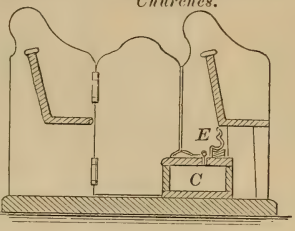
69828—*Continued.*



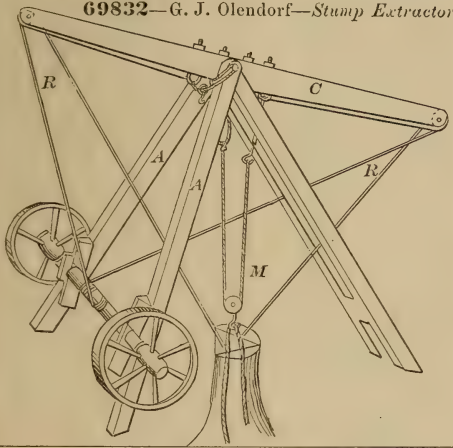
69830—G. W. Mitchell—*Baking Pan.*



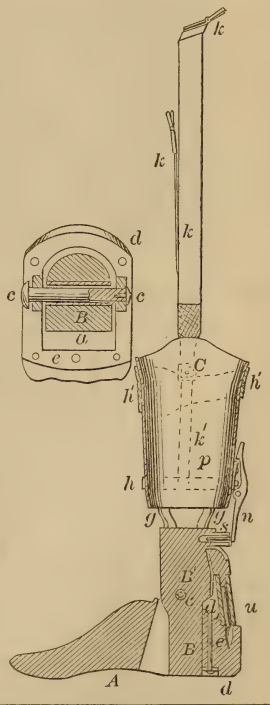
69831—L. Mooney—*Kneeling Case for Churches.*



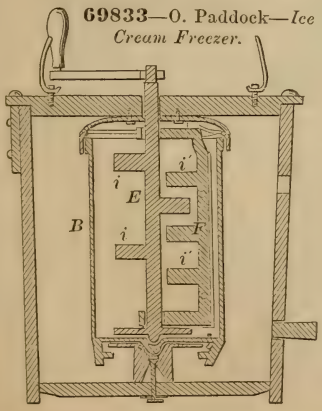
69832—G. J. Olendorf—*Stump Extractor.*



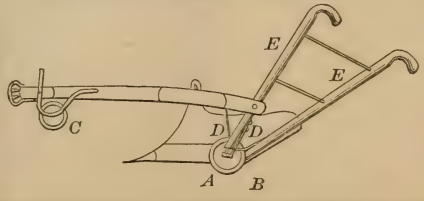
69829—H. L. Mills—*Artificial Leg.*



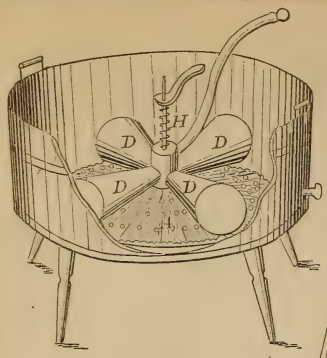
69833—O. Paddock—*Ice Cream Freezer.*



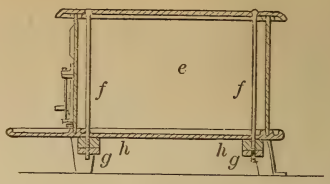
69834—L. E. Palmer—*Plow Wheel.*



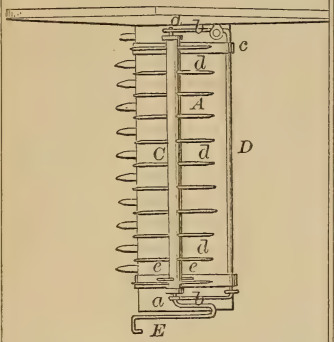
69835—J. Park—*Washing Machine.*



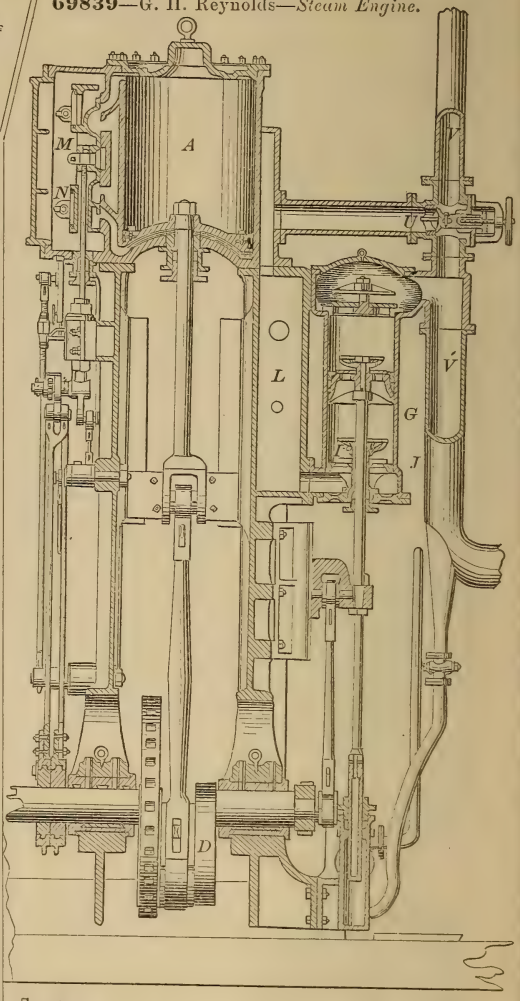
69837—M. Pond—*Stove.*



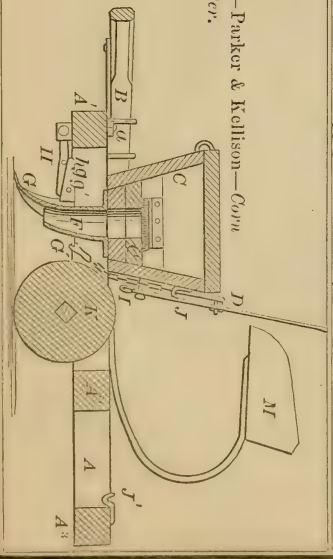
69838—K. H. C. Preston—*Harvester.*

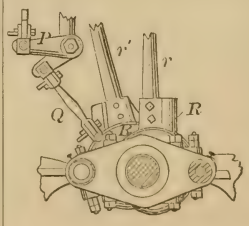


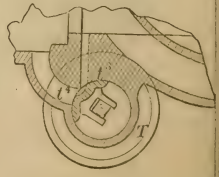
69839—G. H. Reynolds—*Steam Engine.*



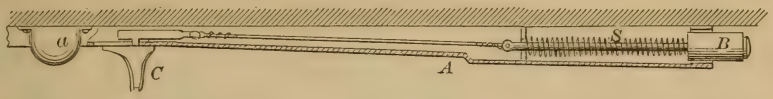
69836—Parker & Kellison—*Corn Planter.*



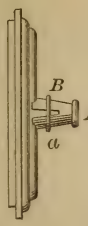




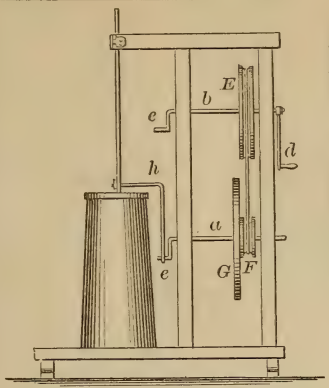
69840—S. M. Richards—*Sash Fastener.*



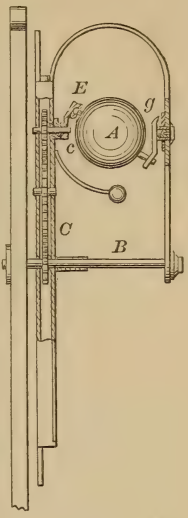
69841—C. H. Roberts—*Handle for Stove Doors.*



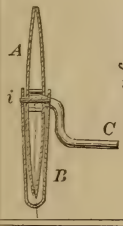
69843—E. W. Russell—*Churn.*



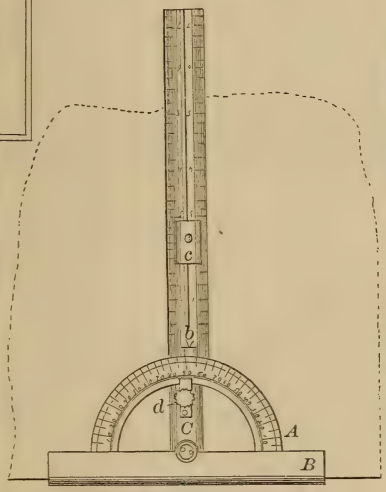
69842—E. Root—*Terrasphere.*



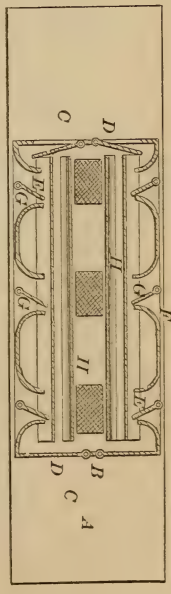
69845—S. Schofield—*Tatting Shuttle.*



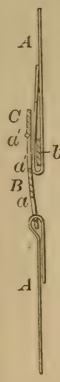
69844—W. Rutherford—*Compound Protractor.*



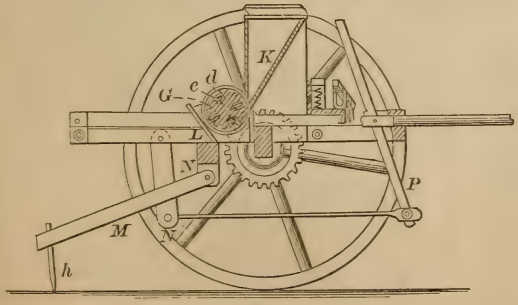
69847—J. Shaw—*Ventilating Attachment for Railroad Cars.*



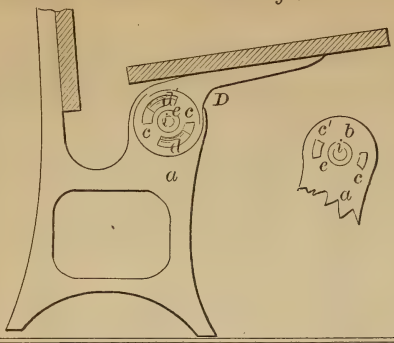
69849—J. L. Sheppard—*Cotton Bale Tie.*



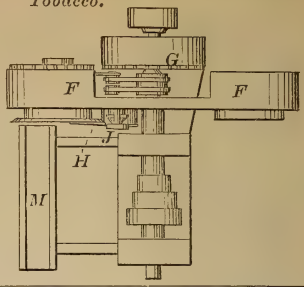
69848—B. A. Shearer—*Seeding Machine*



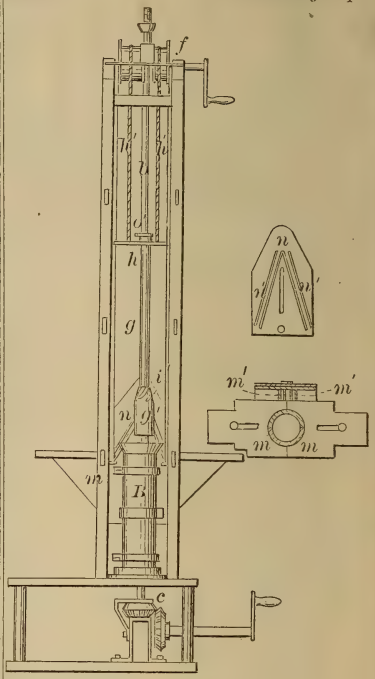
69850—G. Sherwood—*Folding Seat.*



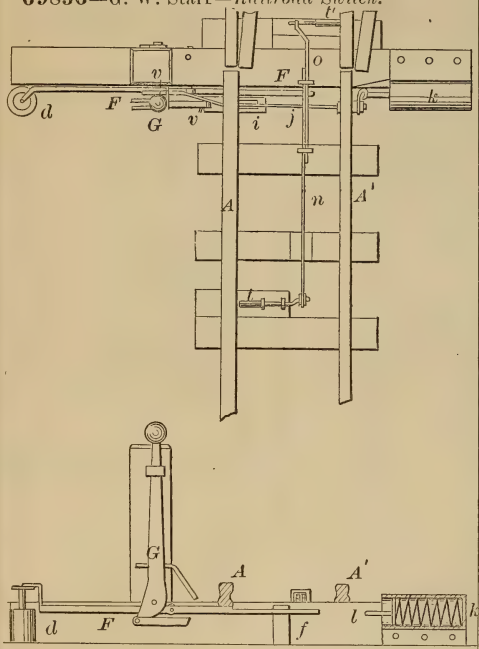
69853—J. W. Smith—*For Cutting Tobacco.*



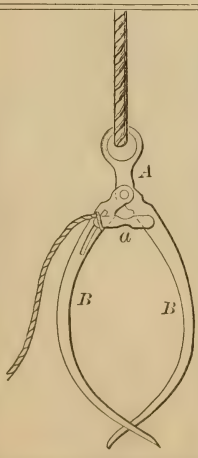
69854—W. Smith—*For Moulding Pipe.*



69856—G. W. Starr—*Railroad Switch.*

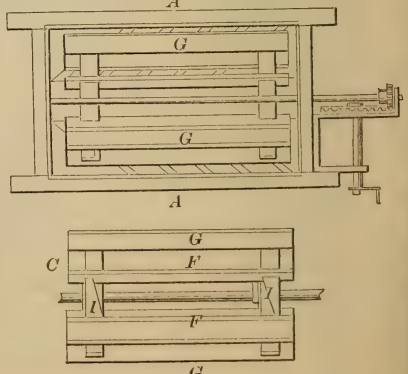


69857—B. F. Stewart—*Horse Hay Fork.*

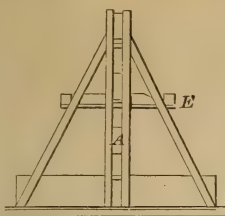


69851—W. J. Shipman—*Toy Pistol.*

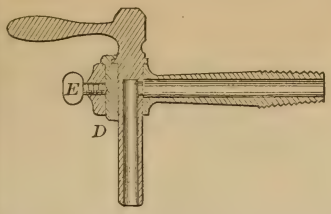
69855—I. H. Spelman—*Churn.*



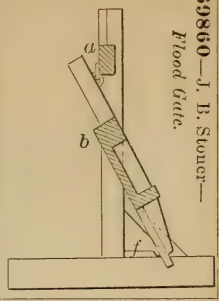
69858—E. Stiles—*Farm Fence.*



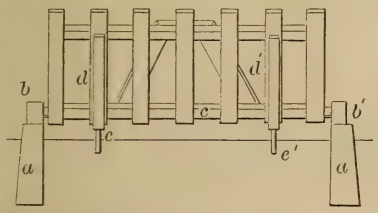
69859—S. C. Stokes—*Faucet.*



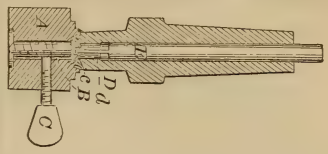
69860—J. B. Stoner—*Flood Gate.*



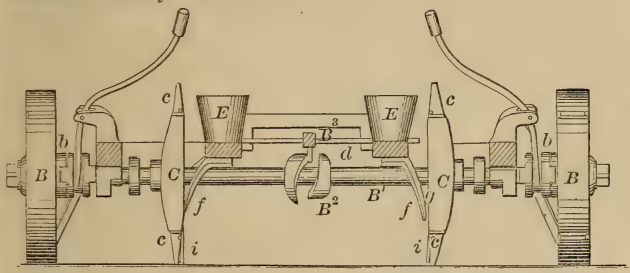
69861—J. B. Stoner—*Portable Flood Fence.*

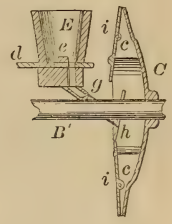


69863—O. W. Swift—*For Capping Screws.*

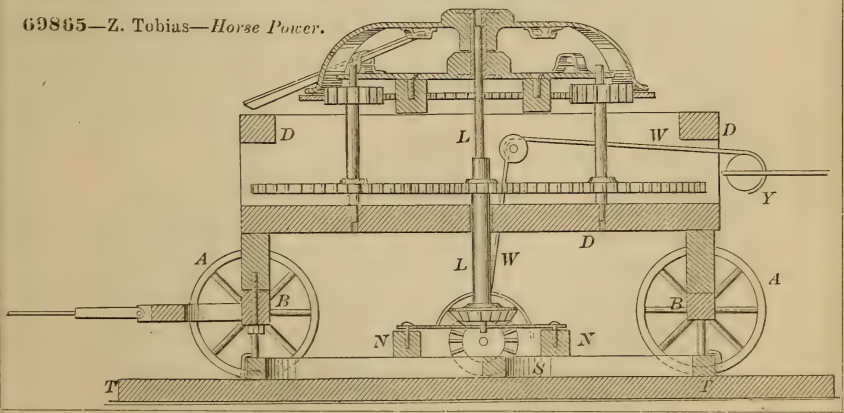


69862—L. Study—*Corn Planter.*

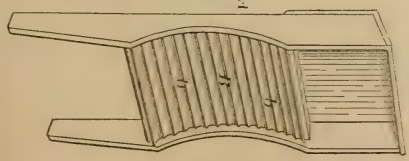




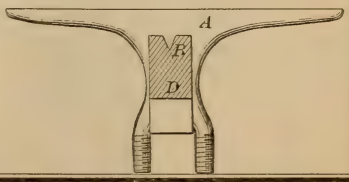
69865—Z. Tobias—*Horse Power.*



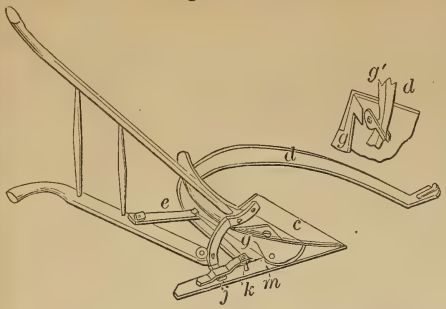
69864—J. Thompson—*Wash Board.*



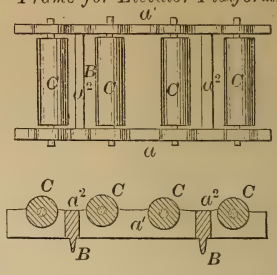
69866—I. N. Topliff—*Clip Circle.*



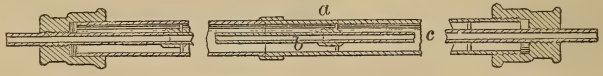
69867—J. Vandegrift—*Plow.*



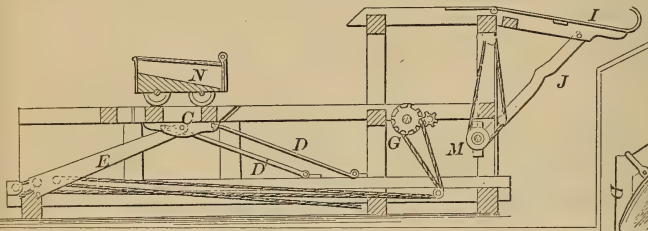
69868—R. M. Van Sickler—*Roller Frame for Elevator Platforms.*



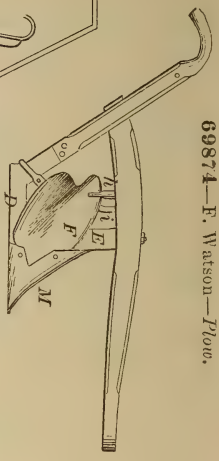
69869—E. P. Vaux—*Pipe for the Transmission of Fluids.*



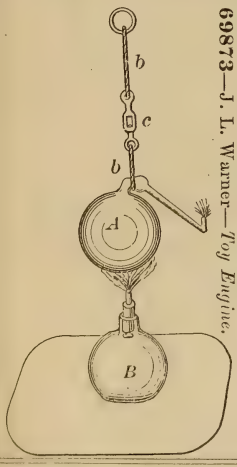
69871—J. Walker—*Elevator.*



69874—F. Watson—*Plow.*

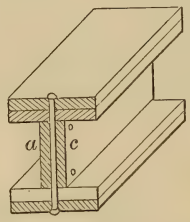


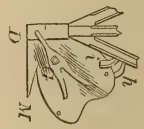
69873—J. L. Warner—*Toy Engine.*



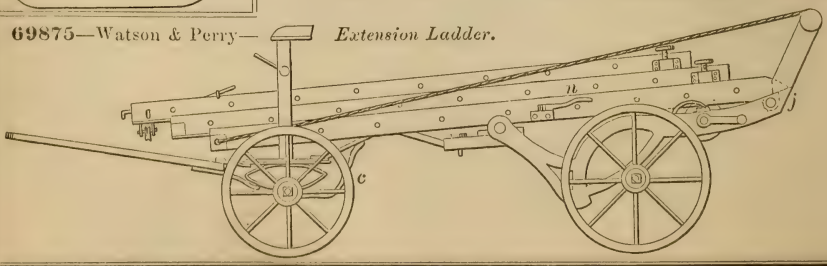
69870—C. W. Wailey—*Cotton Bale Tie.*

69872—Walters & Shaffer—*Fagot for Beams.*

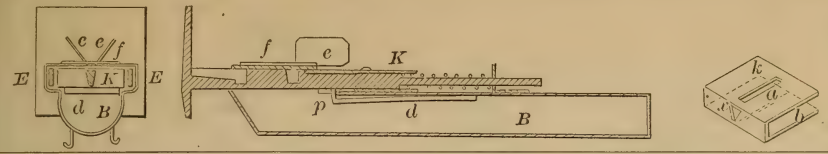




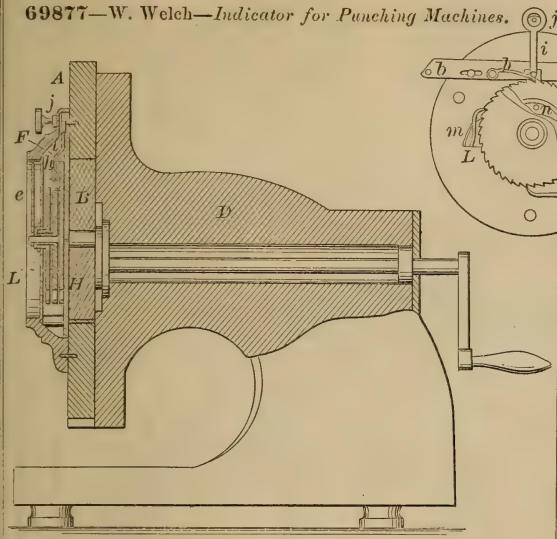
69875—Watson & Perry—*Extension Ladder.*



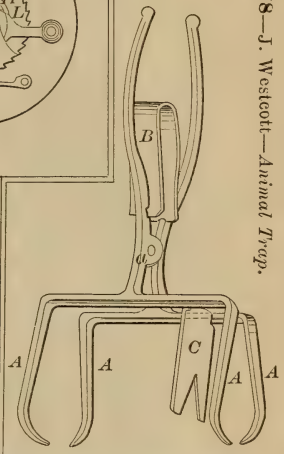
69876—L. Weaver—*Corn Dropper.*



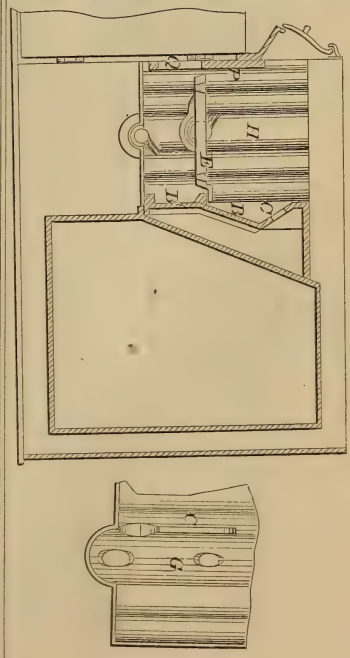
69877—W. Welch—*Indicator for Punching Machines.*



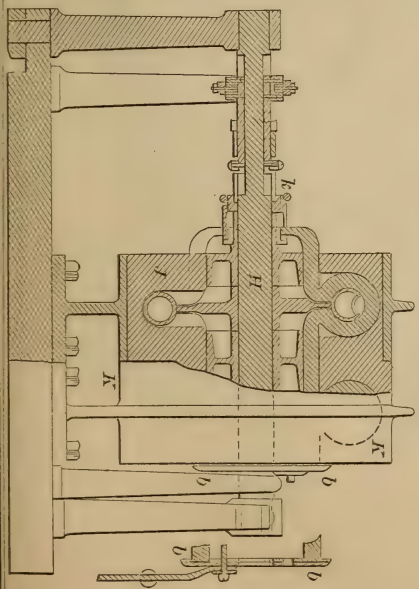
69878—J. Westcott—*Animal Trap.*



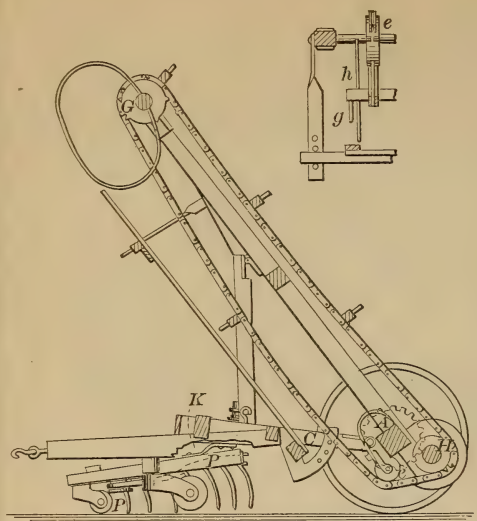
69879—W. H. Whitehead—*Cooking Stove Grate.*



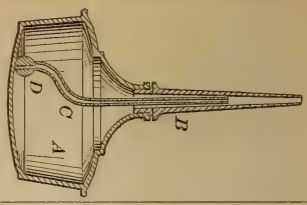
69880—W. Wickersham—*Electro-Magnetic Engine.*



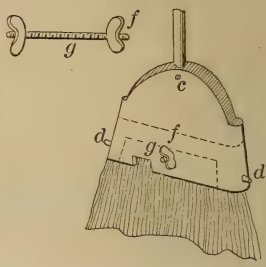
69881—H. Willard—*Hay Raker and Loader.*



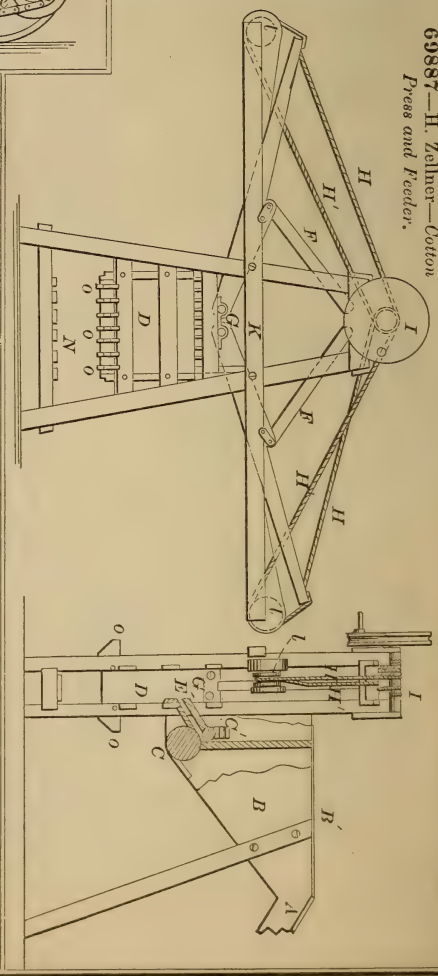
69882—C. Williams—*Oil Cup.*



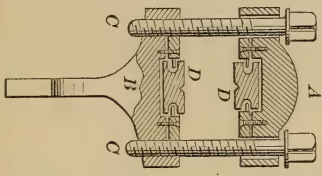
69884—Wisner & Rose—*Broom Head.*



69887—H. Zellner—*Cotton Press and Feeder.*

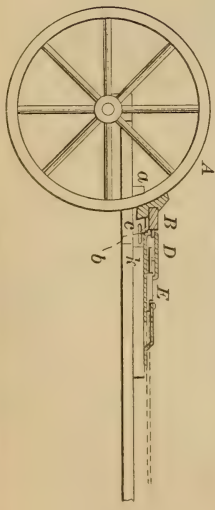


69883—N. Wilton—*Jaw for Lathe Dogs and Bench Vises.*

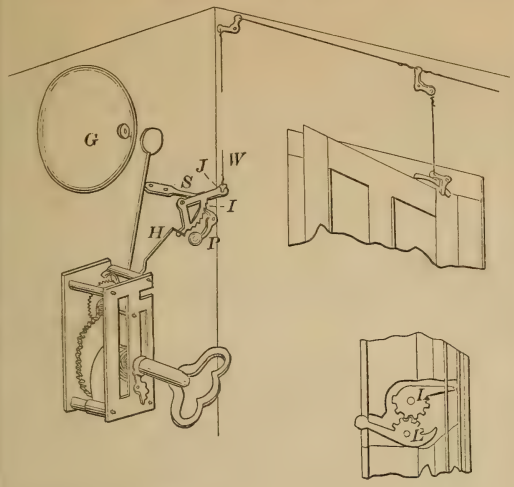


69885—G. & A. Woeber—*Carriage and Buggy Top Bow Iron.*

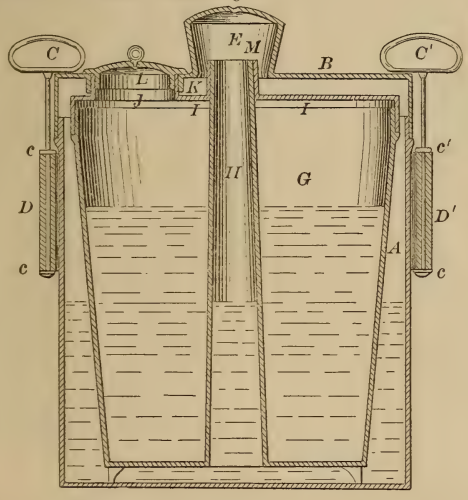
69886—L. E. Woodard—*Wagon Brake.*



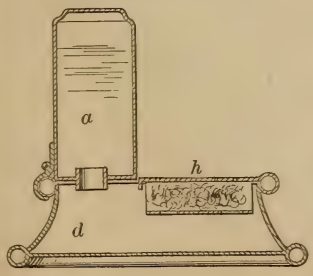
69888—G. S. Acker—*Burglar Alarm.*



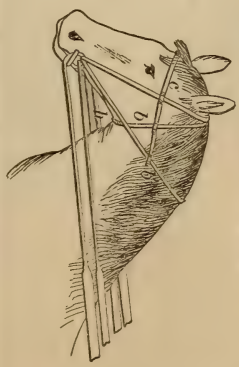
69890—H. Adler—*Boiler.* e



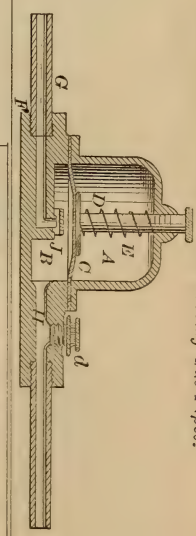
69895—Benn & Luckman—*For Damping and Gumming Labels.*



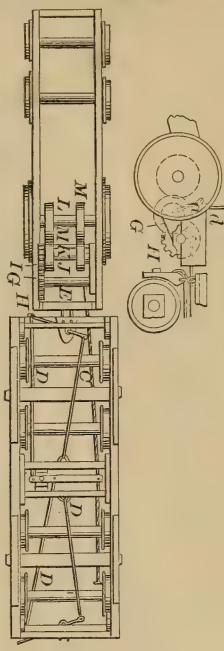
69893—W. R. Peaus—*Bridle.*



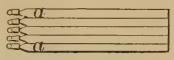
69894—A. C. Beardsley—*For Proving Gas Pipes.*



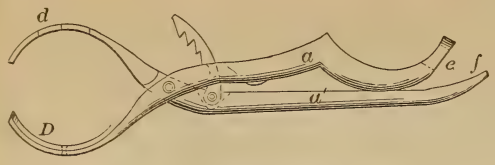
69892—J. L. Barnes—*Car Brake.*



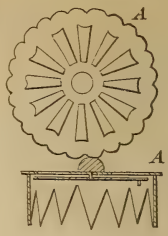
69891—E. Andrews—*Matches.*



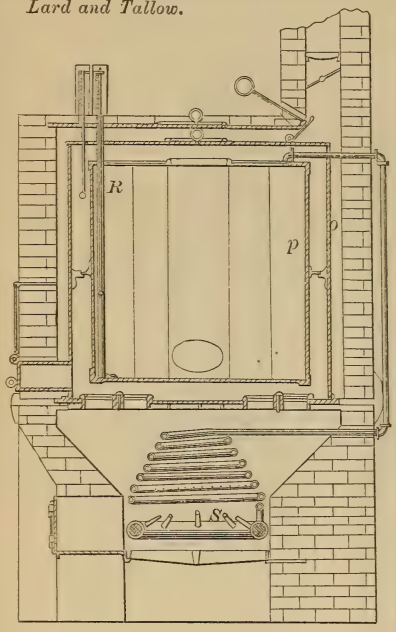
69896—H. Bitter—*Hose Tongs, Clamp, Winch and Pick.*



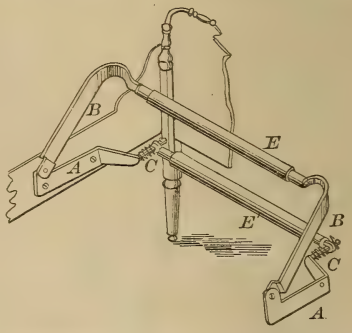
69900—C. H. Coffin—*Hat Ventilator.*



69897—A. Broadnax—*For Rendering Lard and Tallow.*



69898—M. D. Brooks—*Bed Clothes Holder.*



69899—C. C. Burrows—*Rowlock for Boats.*

Fig. 3

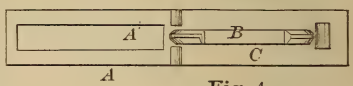
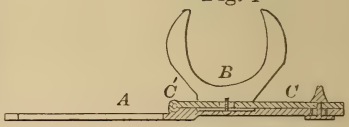
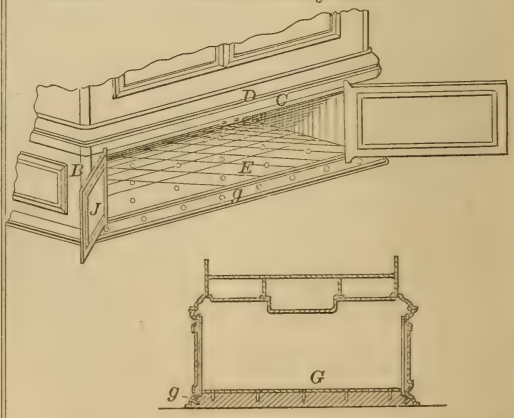


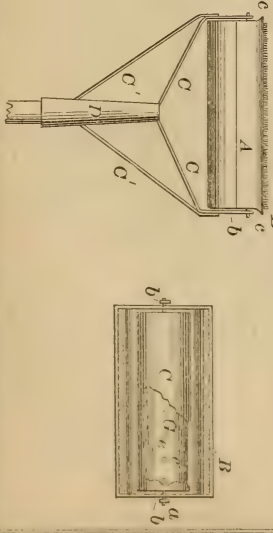
Fig. 4



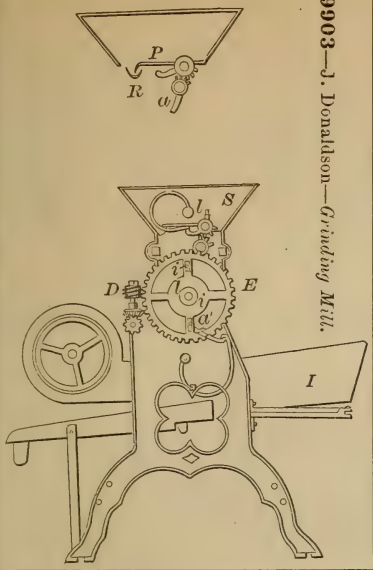
69902—W. C. Davis—*Cooking Stove.*



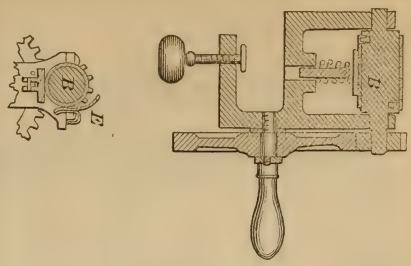
69903—J. Davis—*Fountain Brush.*



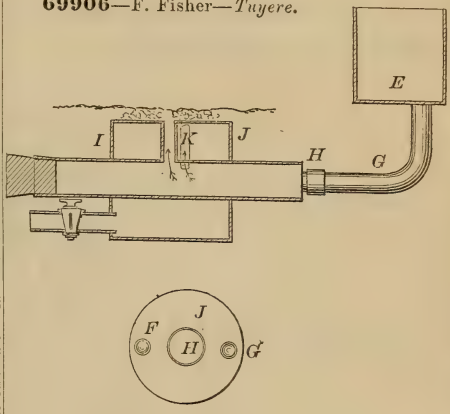
69903—J. Donaldson—*Grinding Mill.*



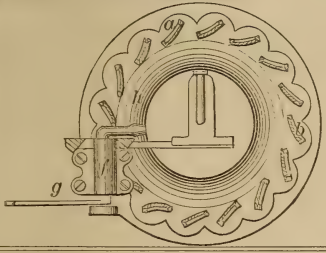
69905—J. A. Ewins—*Knife Cleaner.*



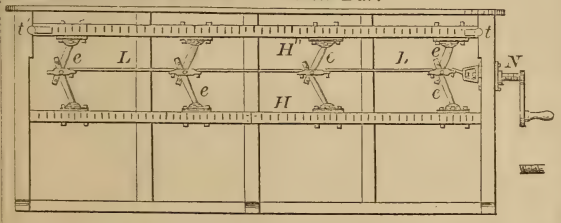
69906—F. Fisher—*Tuyere.*



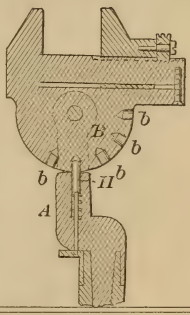
69908—J. Fox—*Harvester.*



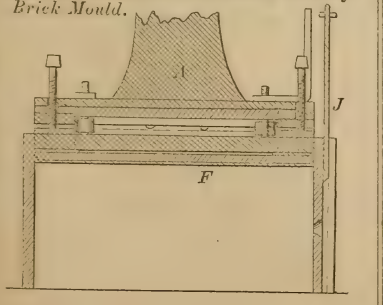
69907—Force & Renwick—*Tenter Bar.*



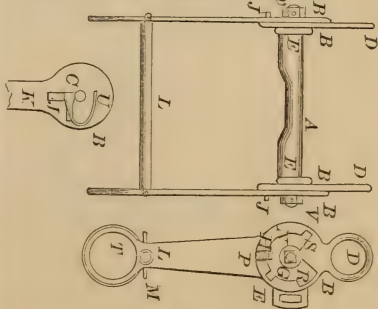
69911—D. Harrigan—*Wrench.*



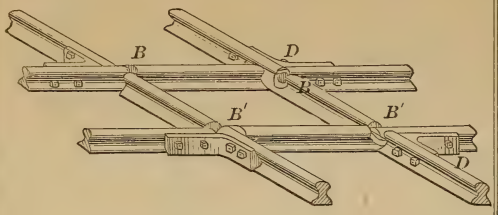
69909—Franklin, McIntire & Whitely—*Brick Mould.*



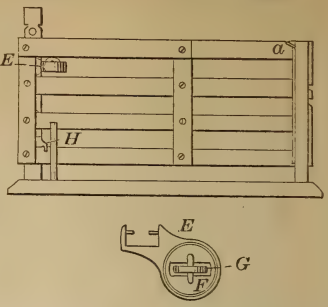
69910—J. P. Gates—*Bridle Bit.*



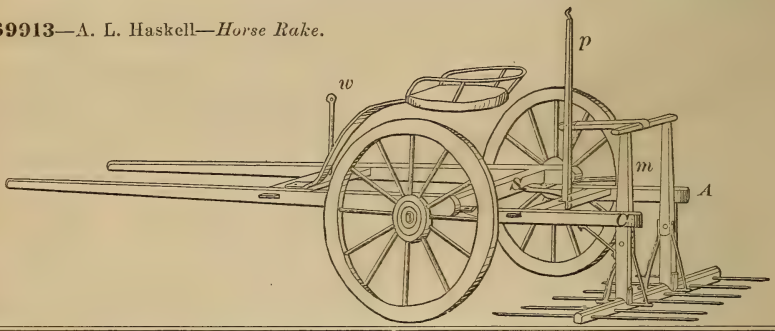
69912—Harris & Elliot—*Railroad Crossing.*



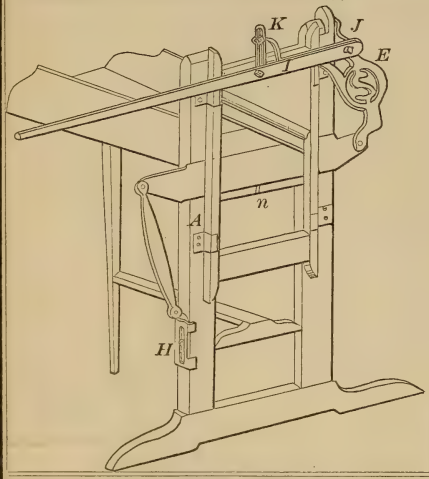
69914—L. Hermance—*Gate.*



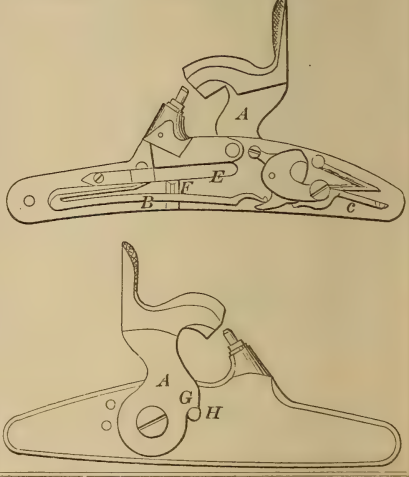
69913—A. L. Haskell—*Horse Rake.*



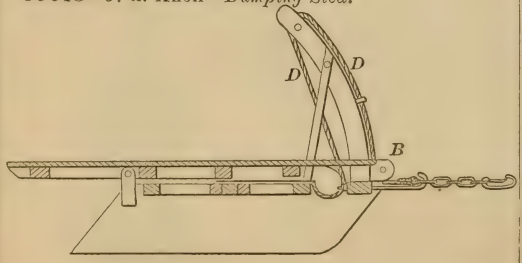
69915—N. Holmes—*Straw Cutter.*



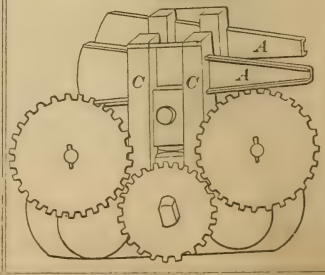
69919—W. F. Kussmaul—*Gun Lock.*



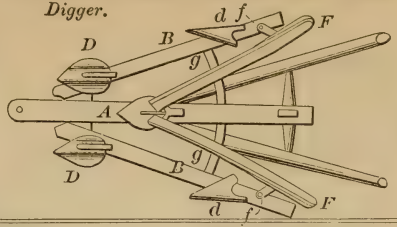
69918—J. L. Knoll—*Dumping Sled.*



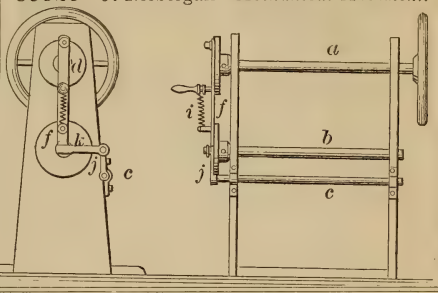
69916—G. Huntington—*Bending Machine.*



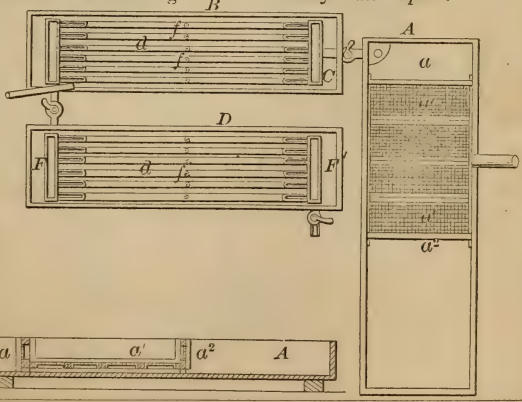
69928—Morris & Green—*Hoe and Potato Digger.*



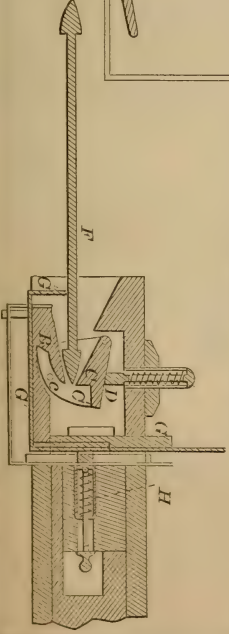
69929—J. Niebergall—*Mechanical Movement.*



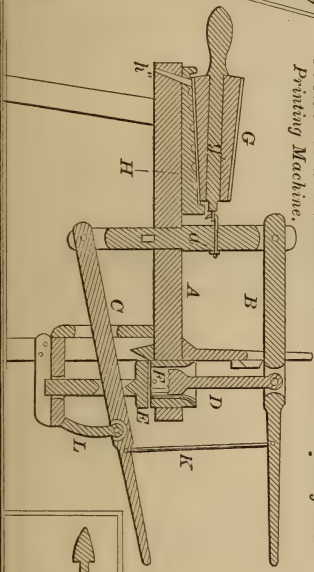
69930—W. Partington—*For Cooling Malt Liquor.*



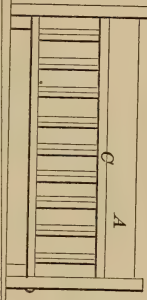
69927—J. Miller—*Car Coupling.*



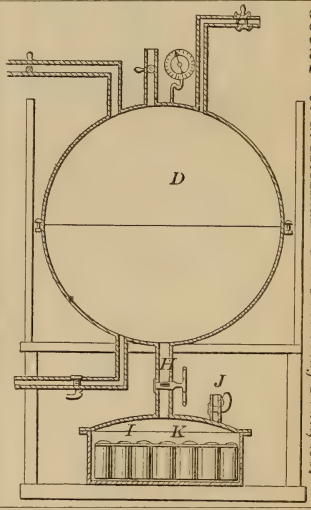
69923—A. S. & S. B. McDowell—*Printing Machine.*



69925—G. McWilliams—*Sheep Shed and Rack.*

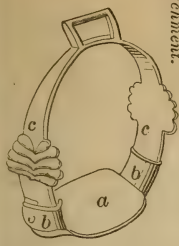


69924—J. G. McMillan—*For Preserving Fruit, &c.*

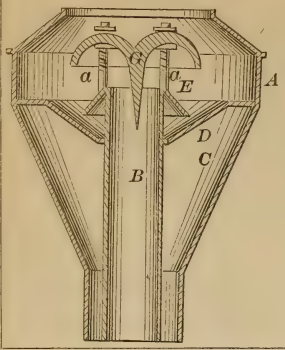


69922—W. W. Lyman—*Tea and Coffee Pot.*

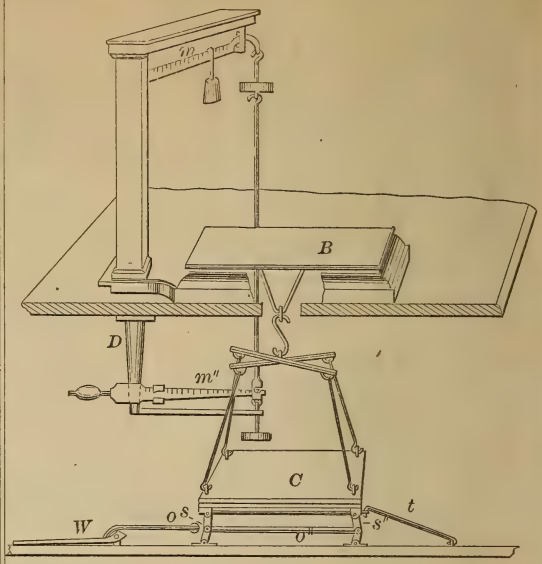
69920—I. L. Landis—*Stirrup Attachment.*



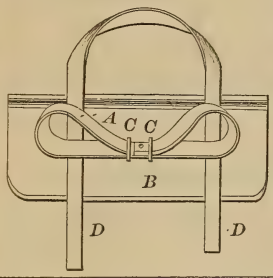
69931—A. Pearsall—*Spark Arrester.*



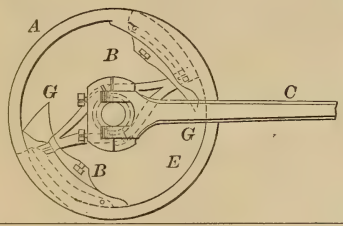
69933—Pope & Whipple—*Weighing Scale.*



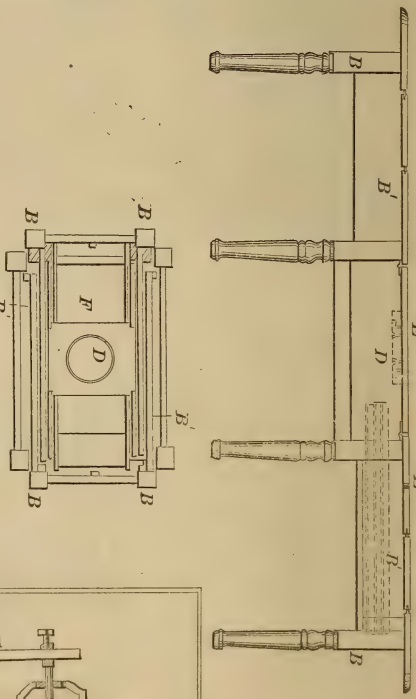
69935—Potter & Barling—*Rein Holder.*



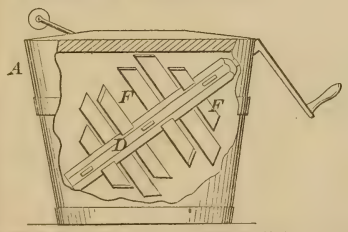
69932—P. D. Pike—*Water Wheel.*



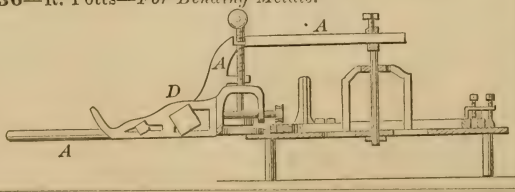
69937—A. E. Preston—*Extension Table.*



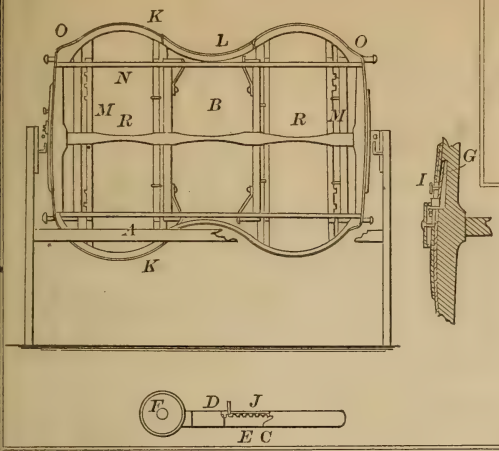
69934—E. Porter—*Churn.*



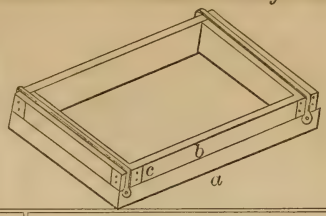
69936—R. Potts—*For Bending Metals.*



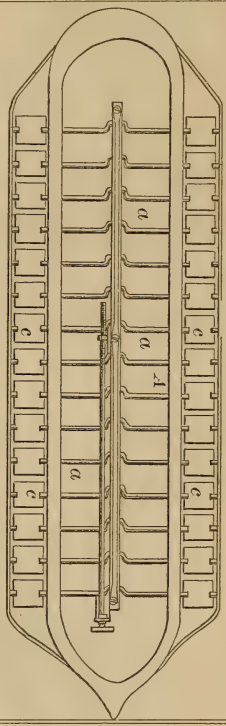
69938—Rhoades & Carroll—*Railway Car Seat.*



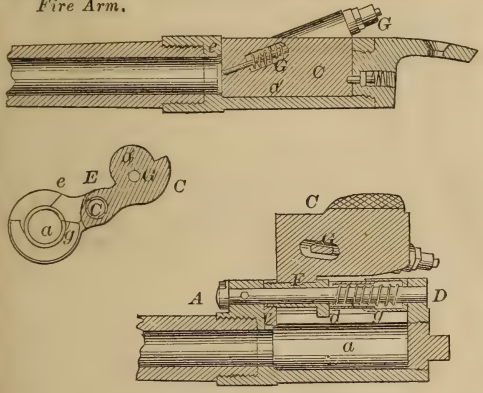
69939—T. C. Riddell—*Baking Frame.*



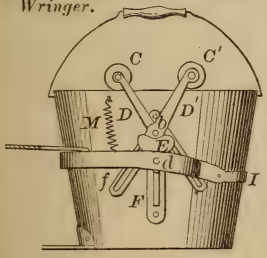
69940—E. C. B. Riek—*Submarine Vessel.*

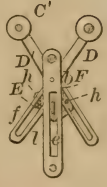


69941—A. Snider, Adm'x—*Breech-Loading Fire Arm.*

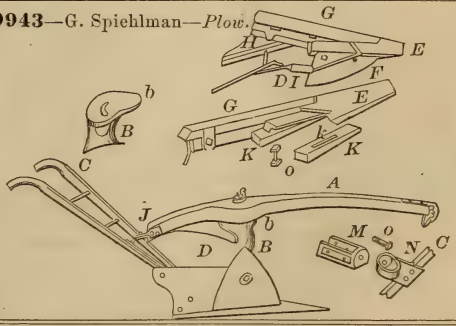


69942—R. W. Soper—*Mop Wringer.*

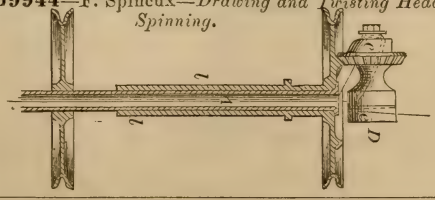




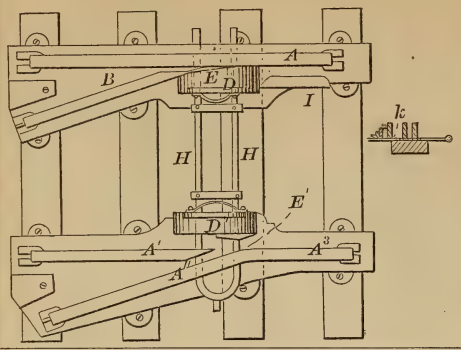
69943—G. Spiehlman—*Plow.*



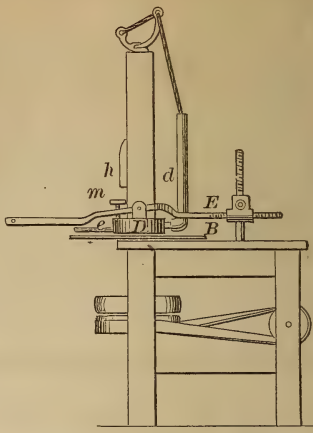
69944—F. Spincux—*Drawing and Twisting Head for Spinning.*



69945—W. H. Staats—*Railway Switch.*

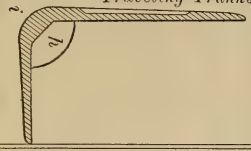


69950—J. T. Waring—*For Ironing Hats.*

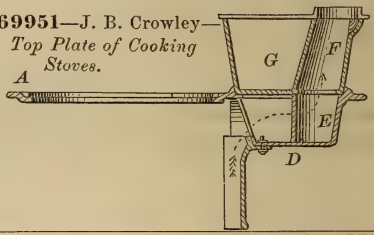


69948—T. G. Taylor—*Rule and Letter Scale.*

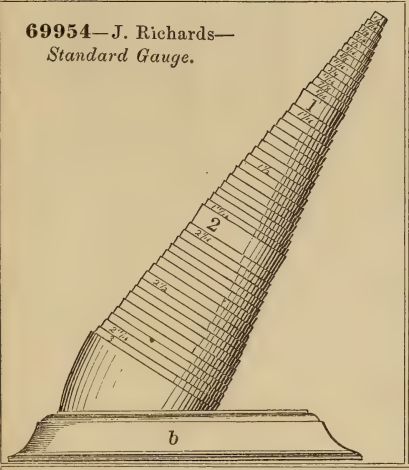
69949—J. W. Thorne—*Clamp for Traveling Trunks.*



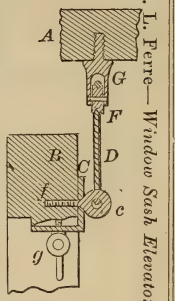
69951—J. B. Crowley—*Top Plate of Cooking Stoves.*



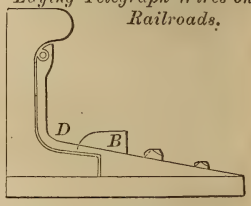
69954—J. Richards—*Standard Gauge.*



69952—J. L. Ferre—*Window Sash Elevator.*

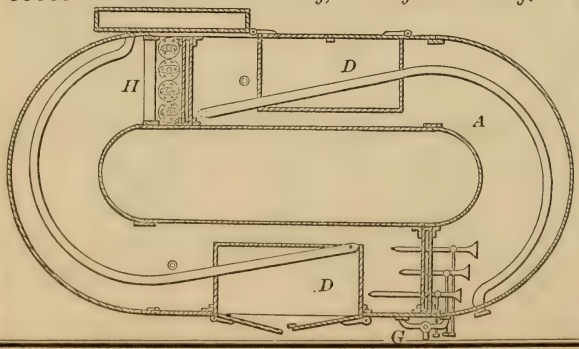


69947—D. W. Strong—*Laying Telegraph Wires on Railroads.*

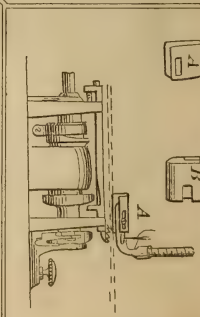


69953—J. Richards—*Fixed Caliper Gauge.*

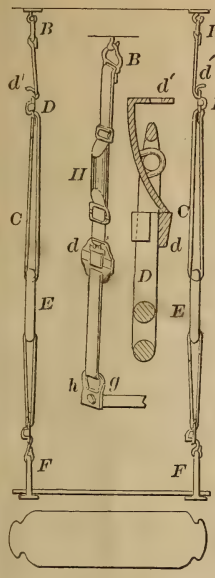
69955—D. E. Somes—*For Cooling, Freezing and Heating.*



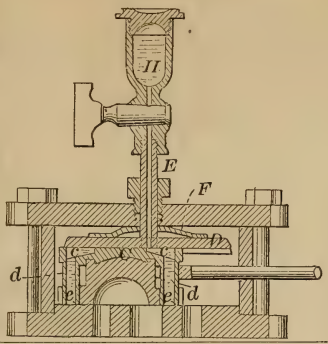
69946—A. Steward—*Ruffler for Sewing Machines.*



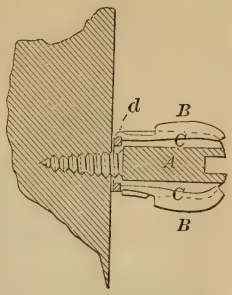
69956—G. W. Bacon—*Gymnastic Apparatus.*



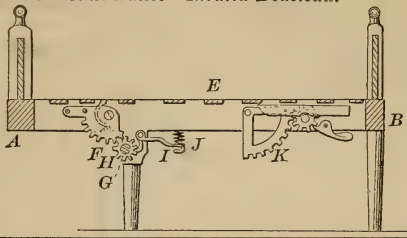
69957—S. H. Badger—*Slide Valve Lubricator.*



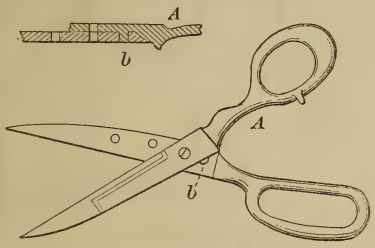
69959—J. Barclay—*Carriage Knob.*



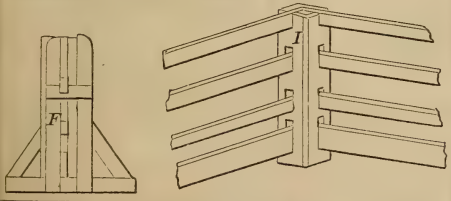
69958—C. S. Baker—*Invalid Bedstead.*



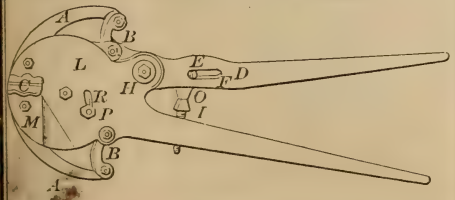
69960—W. B. Barnard—*Scissors and Shears.*



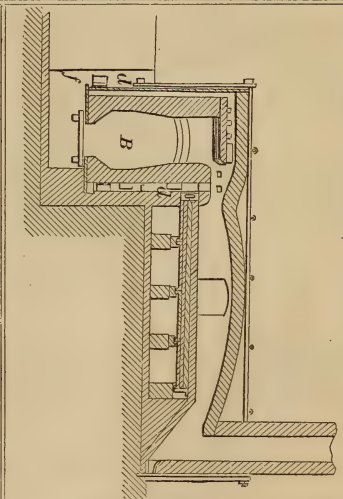
69961—H. Bartholomew—*Fence.*



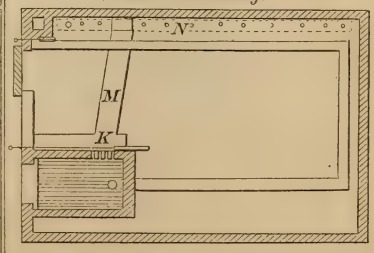
69962—J. Blackinton—*Bolt Trimmer.*



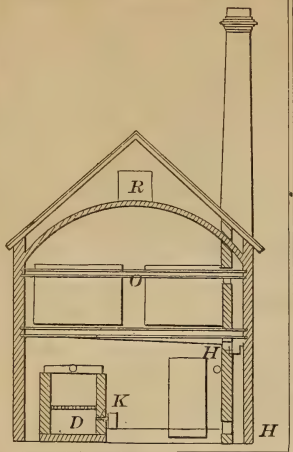
69963—H. Boetius—*Metallurgic Furnace.*



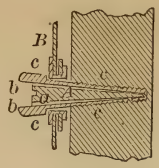
69964—H. G. Bulkley—*For Drying and Desiccating.*



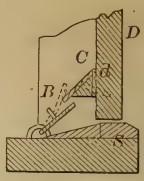
69964—*Continued.*



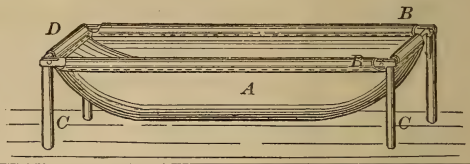
69965—Case & Barclay—*Carriage Knob.*



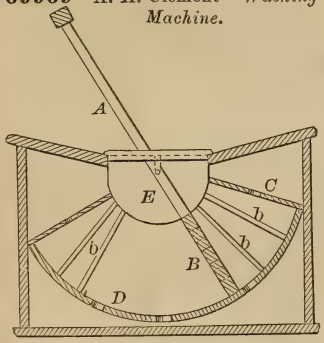
69966—J. Chadwick—*Weather Strip for Doors.*



69968—J. C. Clapp—*Bath Tub.*

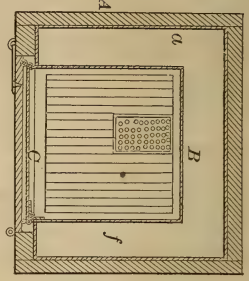


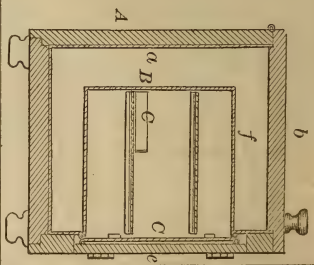
69969—A. H. Clement—*Washing Machine.*



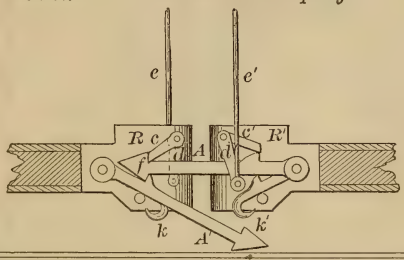
69967—J. Chase—*Clouded Yarn.*

69971—E. S. Colton—*Ice Cream Refrigerator.*

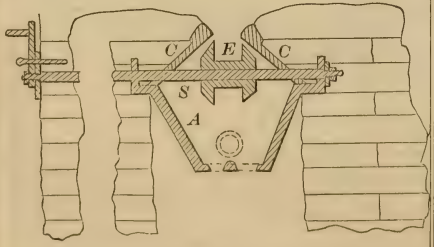




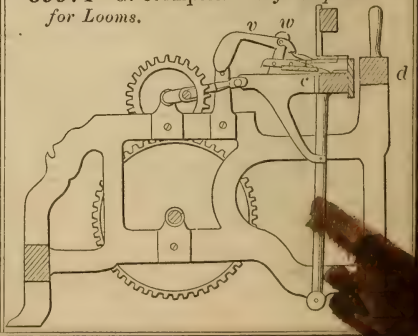
69972—T. F. Conner—*Car Coupling.*



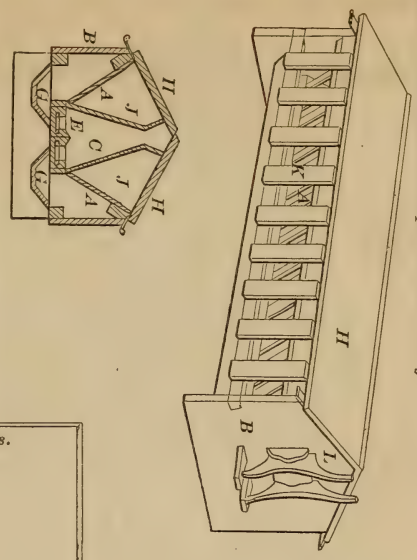
69973—J. W. Crannell—*Tuyere.*



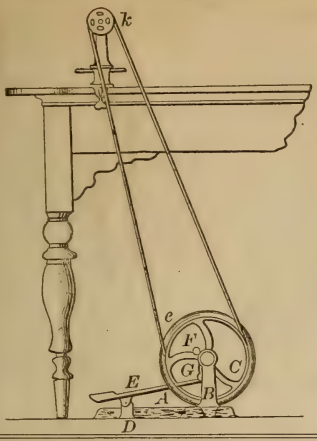
69974—G. Crompton—*Weft Stop Motion for Looms.*



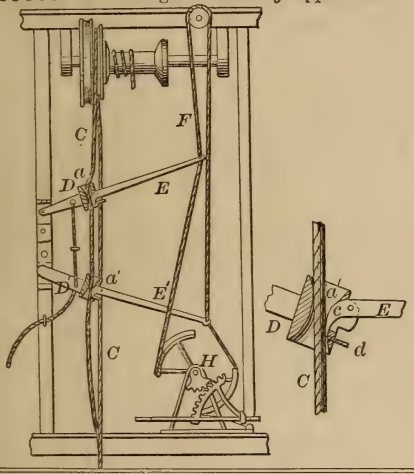
69976—G. Febles—*Sheep Rack and Trough.*



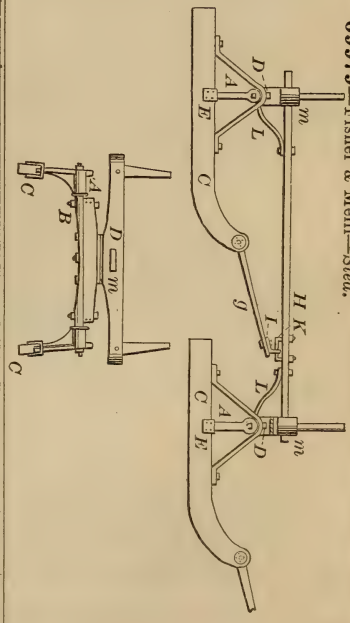
69975—W. J. Demorest—*Movable Treadle.*



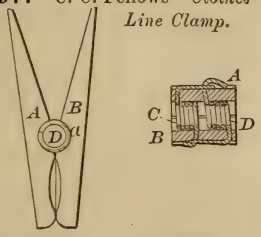
69978—R. Finnegan—*Hoisting Apparatus.*



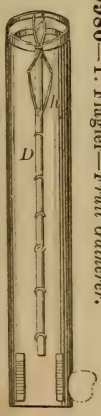
69979—Fisher & Meili—*Sled.*



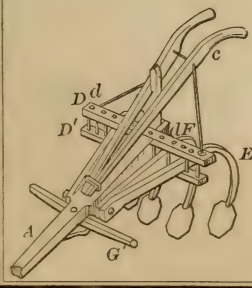
69977—C. C. Fellows—*Clothes Line Clamp.*



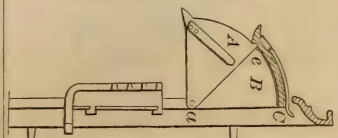
69980—T. Flagler—*Fruit Gatherer.*



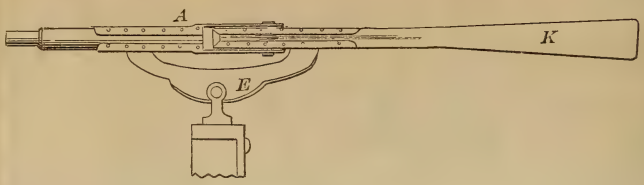
69981—C. Flory—*Corn Cultivator.*



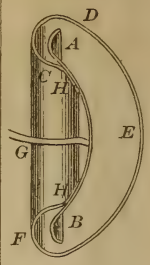
69982—W. T. Foster—*Hood for Coal Grates and Fireplaces.*



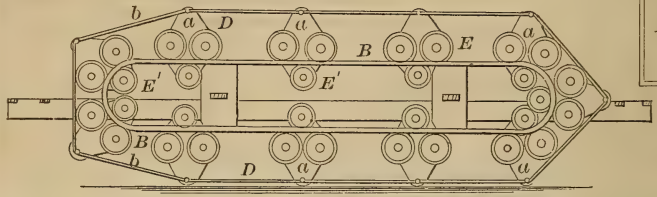
69983—S. W. Francis—*Oar.*



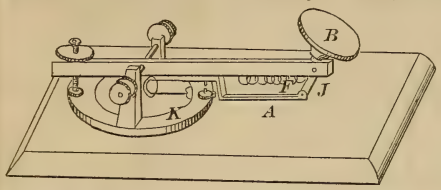
69988—E. W. Glover—*Bosom Pad.*



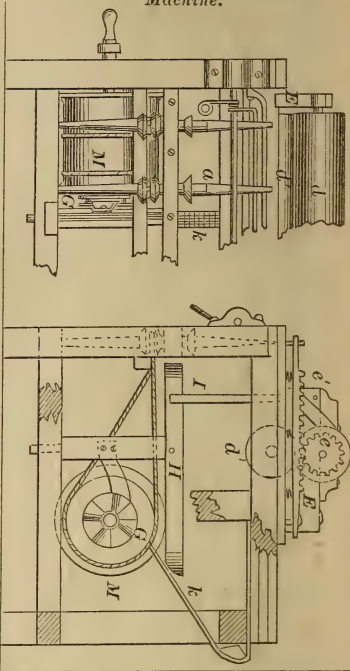
69987—J. K. Glenn—*Motive Power.*



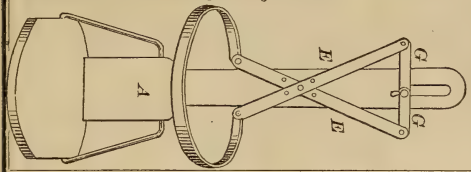
69984—W. M. Franz—*Operating Telegraph Key.*



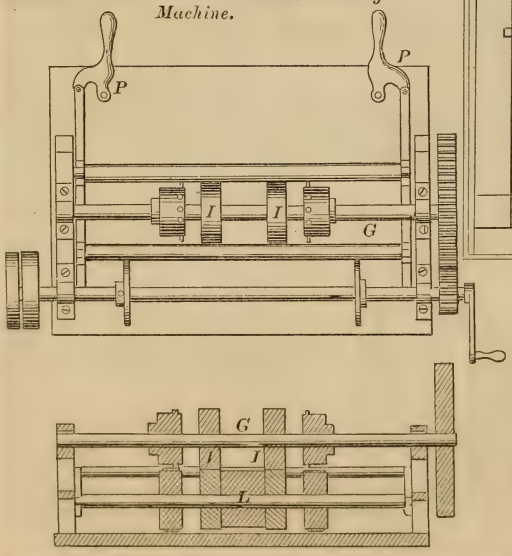
69990—J. M. Hart—*Hand Spinning Machine.*



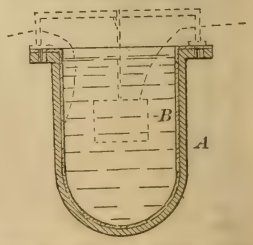
69989—T. Harding—*Bag Holder.*



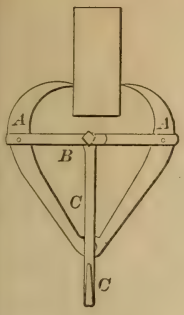
69991—J. H. Haskell—*Leather Punching Machine.*



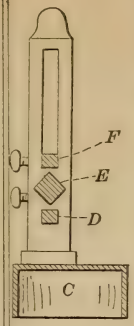
69986—W. Gee—*Lining Soda Fountains.*



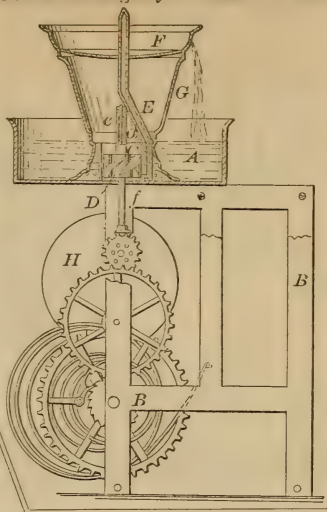
69992—W. H. Hawley—*Grappling Iron.*



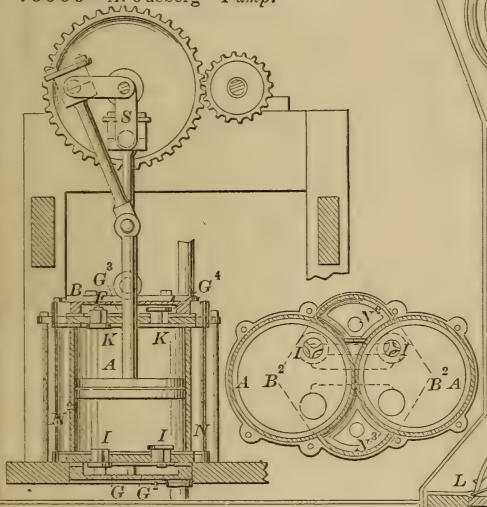
69993—T. Haynes—*Knife Sharpener.*



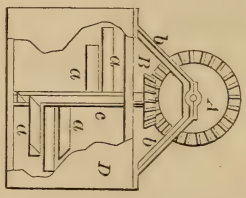
69994—J. Hegarty—*Portable Fountain.*



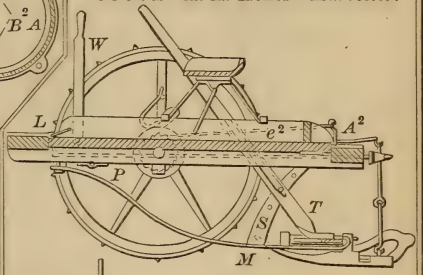
70000—A. Jusberg—*Pump.*



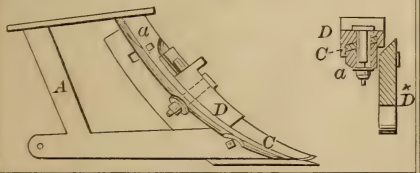
69998—D. Hyde—*Churn.*



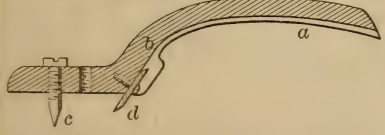
70001—M. A. Keller—*Harvester.*



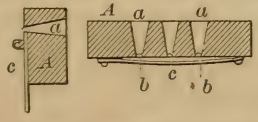
69999—J. E. Jenkins—*Plow.*

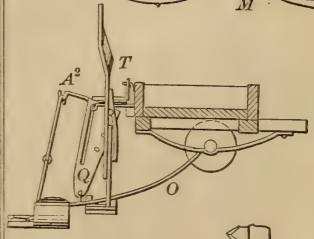


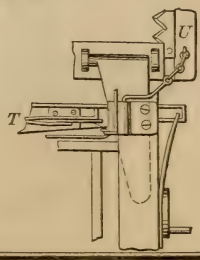
69996—W. L. Hubbell—*Can Opener.*



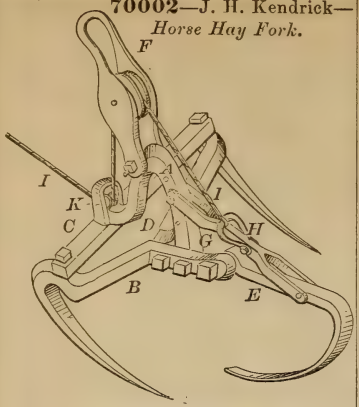
69997—A. Huston—*Needle Threader.*



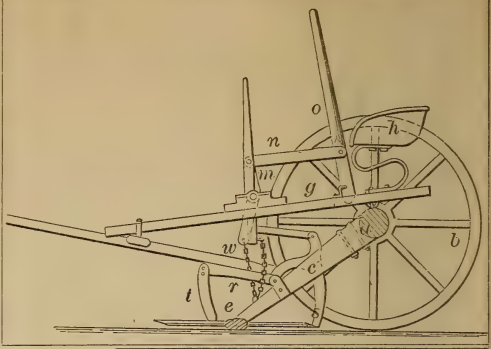




70002—J. H. Kendrick—*Horse Hay Fork.*

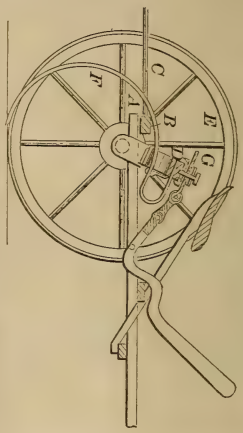


70004—G. W. King—*Horse Rake.*

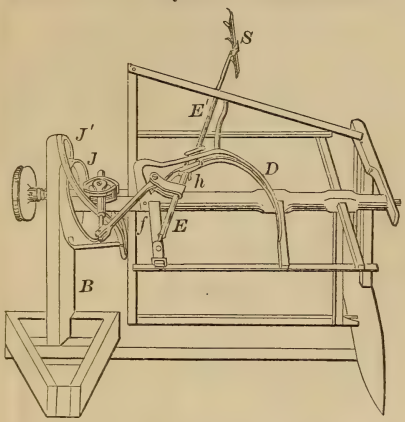


70003—E. W. Keyes—*Toy Cue.*

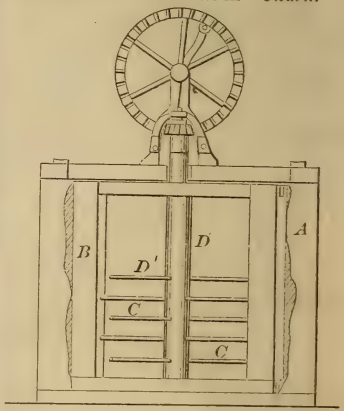
70008—J. M. Long—*Horse Rake.*



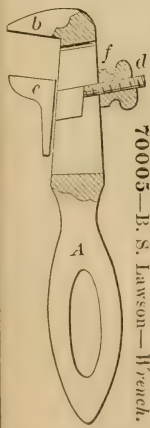
70007—E. J. Leyburn—*Harvester Rake.*



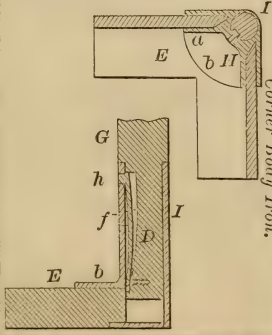
70009—H. H. Macklin—*Churn.*



70005—B. S. Lawson—*Wrench.*

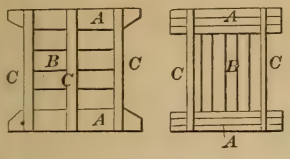


70006—Leslie & Porter—*Carriage Corner Body Iron.*

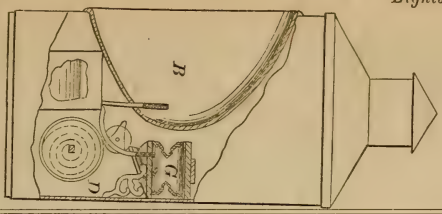


70010—C. Messenger—*For Opening Sheet Metal Cans.*

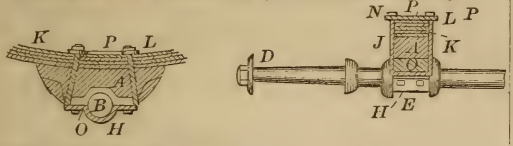
70011—W. W. Miller—*Fagots for Beams.*



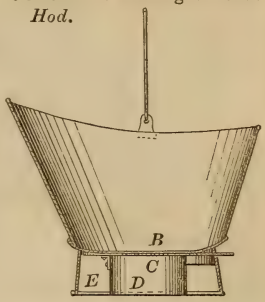
70014—F. S. Pease—*Carburettor for Locomotive Head Lights.*



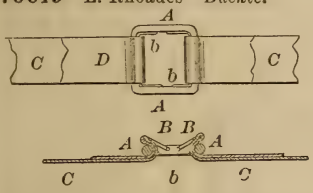
70013—L. F. Palmer—*Wagon Axle and Gearing.*



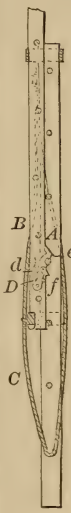
70015—J. Pfitzinger—*Coal Hod.*



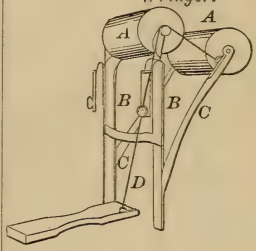
70019—L. Rhoades—*Buckle.*



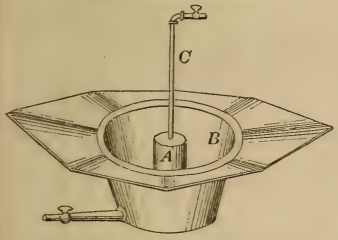
70016—H. M. Quackenbush—*Extension Ladder.*



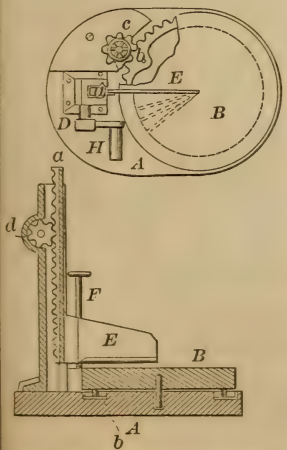
70017—R. T. Reed—*Mop Wringer.*



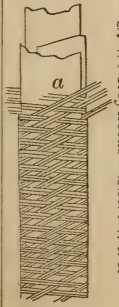
70021—J. S. Rice—*Steam Radiator for Hatters' Kettles.*



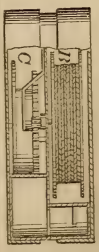
70020—Rhoads & Gerhard—*For Cutting Cheese.*



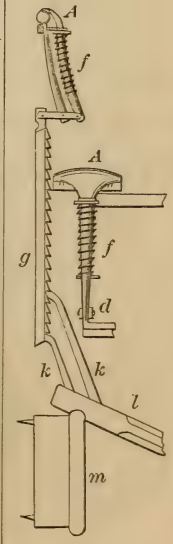
70018—G. W. Reynolds—*Skirt Wire.*



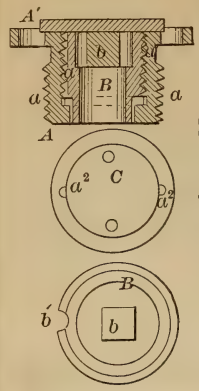
70022—C. Richel—*Garden Line, &c.*



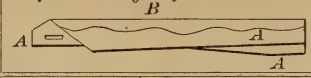
70023—W. A. Robinson—*Carpet Stretcher.*



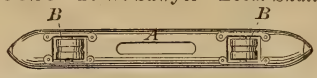
70024—J. Ruegg—*Bung and Bush.*



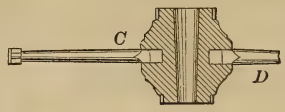
70025—C. W. Saladee—*Protector for the Edges of Collars.*



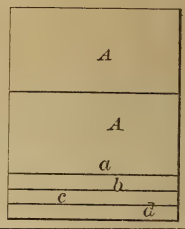
70026—F. W. Sawyer—*Loom Shuttle.*



70027—W. T. Sawyer—*Vehicle Wheel.*

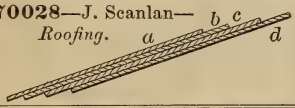


70029—J. Scanlan—*Roofing Fabric.*

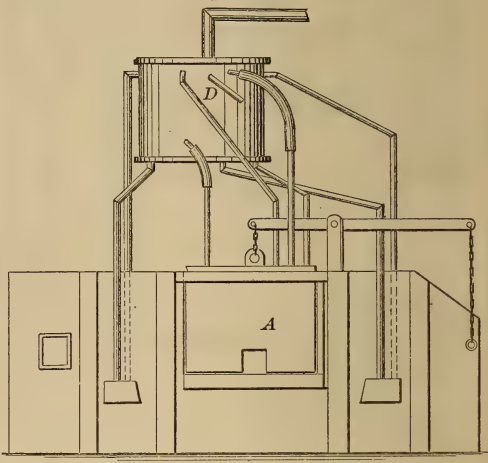


70030—J. Scanlan—*Felt Roofing.*

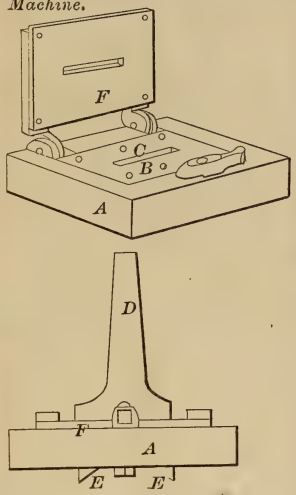
70028—J. Scanlan—*Roofing.*



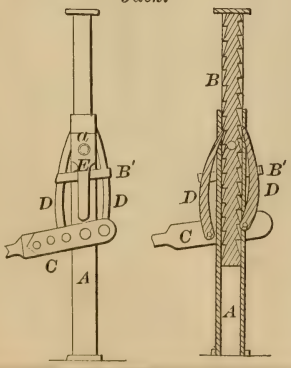
70031—E. G. Scovil—*Protecting the Heated Parts of Furnaces.*



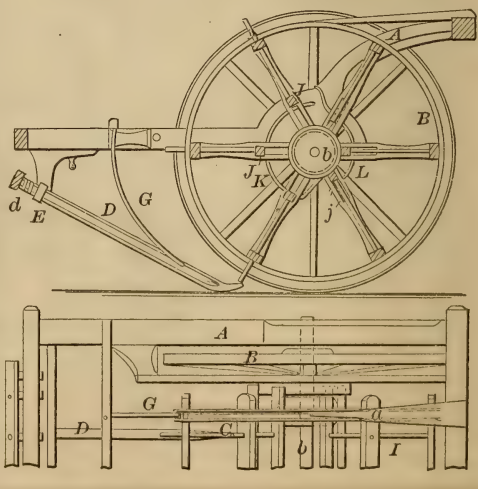
70033—E. Shopbell—*Slotting Machine.*



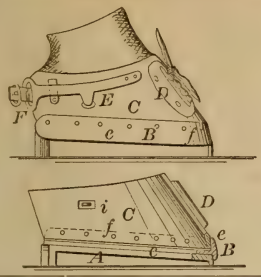
70034—E. Shopbell—*Lifting Jack.*



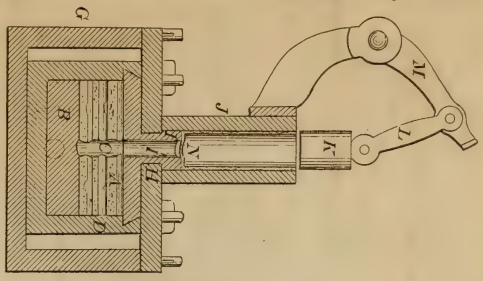
70032—B. Shirley—*Hay Raker and Loader.*



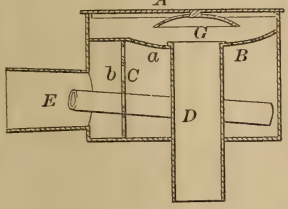
70035—S. Sloat—*Horse Shoe.*



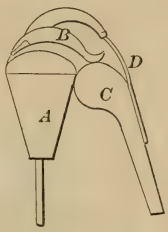
70038—M. Smith—*For Casting Refractory Metals.*



70037—A. F. Smith—*Ventilator.*



70040—Steele & Henderson—*Shank Laster.*



70041—A. C. Stich—*Bed Spring Guide.*

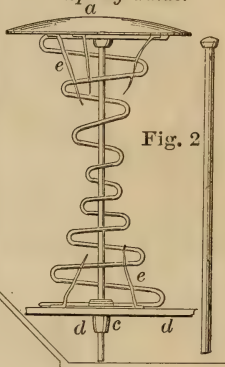
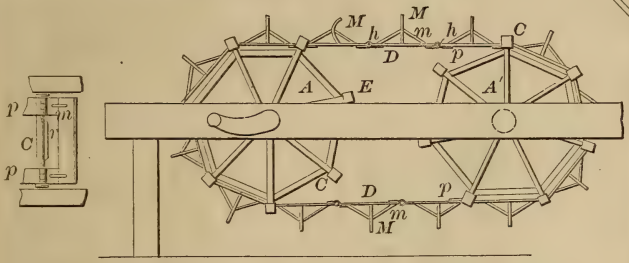


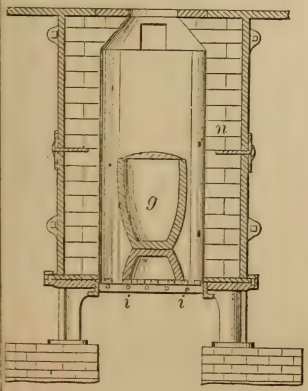
Fig. 2

70036—A. B. Smith—*Endless Chain Propeller.*

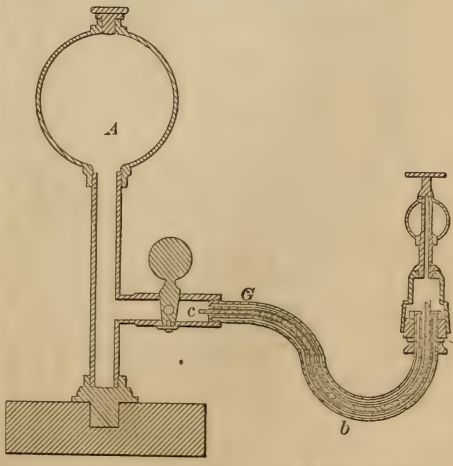


70039—D. M. Somers—*Button.*

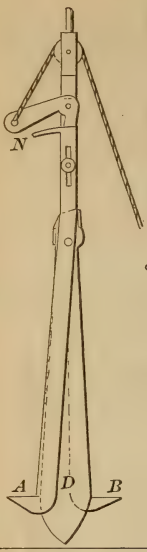
70042—W. Swindell—*Furnace for the Manufacture of Steel.*



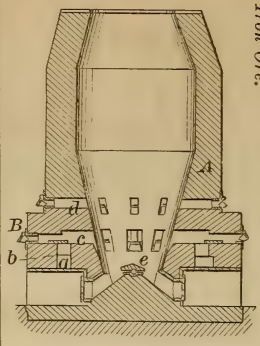
70043—D. Symonds—*Vapor Burner.*



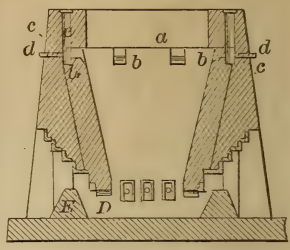
70044—L. H. Tears—*Horse Hay Fork.*



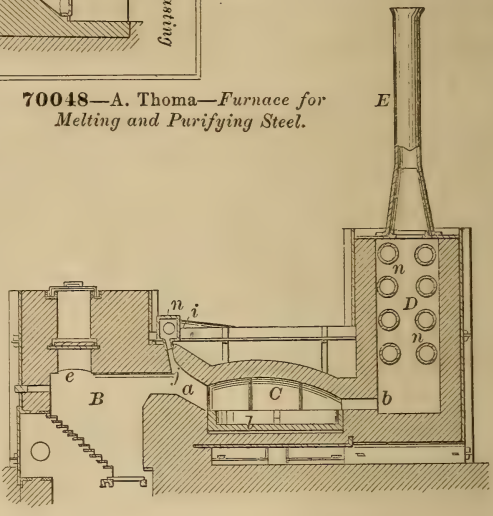
70045—A. Thoma—*Kiln for Roasting Iron Ore.*



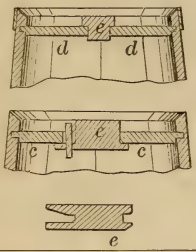
70046—A. Thoma—*Furnace for Smelting Iron Ore.*



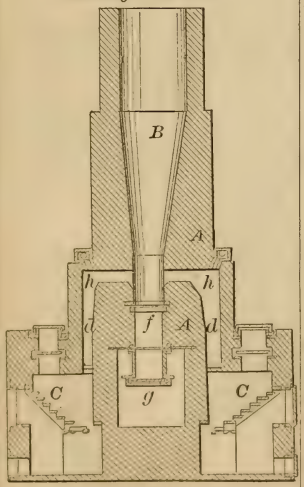
70048—A. Thoma—*Furnace for Melting and Purifying Steel.*



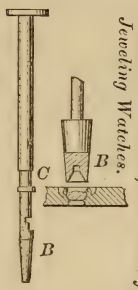
70050—M. L. Thompson—*Barrel Head.*



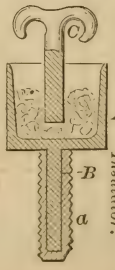
70047—A. Thoma—*For Reducing Iron Ore.*



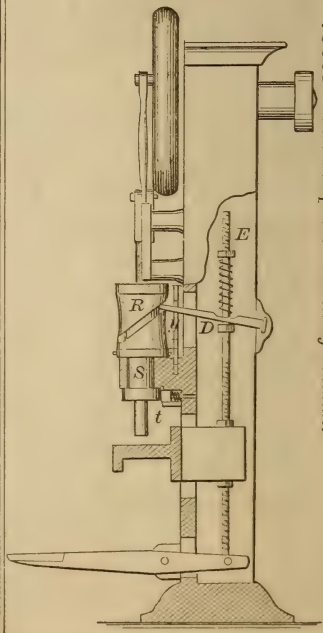
70049—A. Thoma, Sr.—*Tool for Jeweling Watches.*



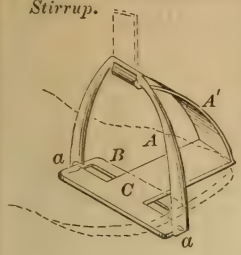
70052—J. L. Waite—*Telegraph Insulator.*



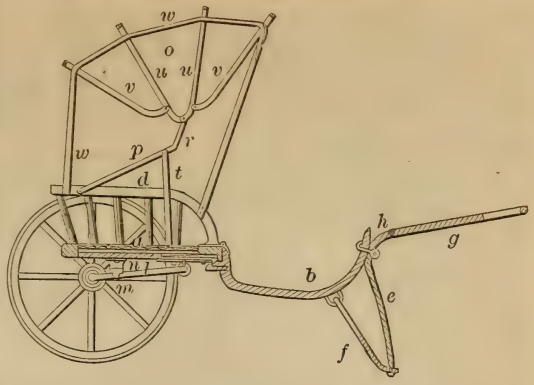
70051—C. R. Tomplins—*Mortising Machine.*



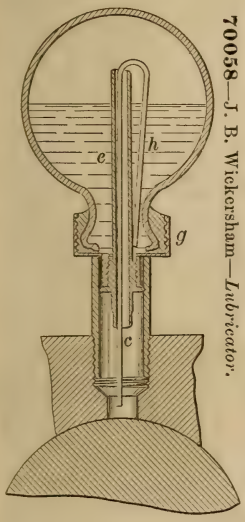
70053—W. Weddington—*Stirrup.*



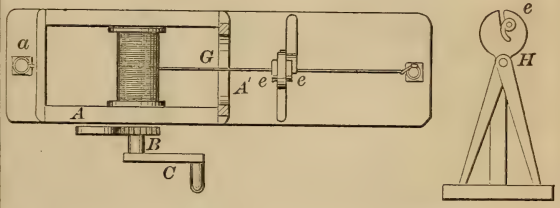
70056—S. Wheelock—*Portable Vehicle.*



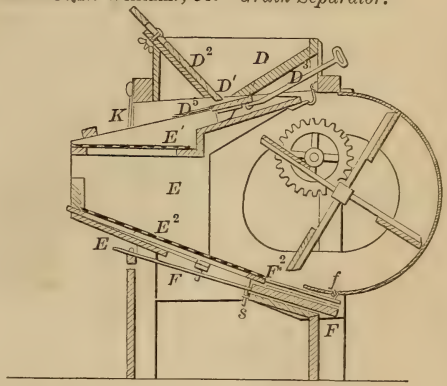
70058—J. B. Wickersham—*Lubricator.*

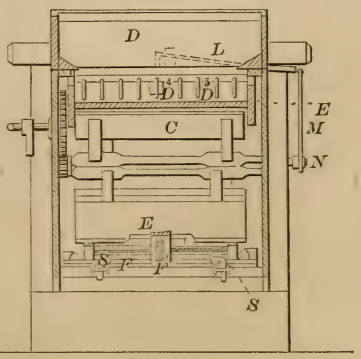


70057—R. White—*Cord Stretcher.*



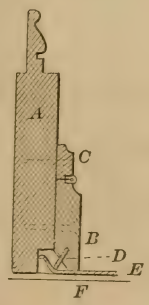
70060—J. N. Williams, Jr.—*Grain Separator.*



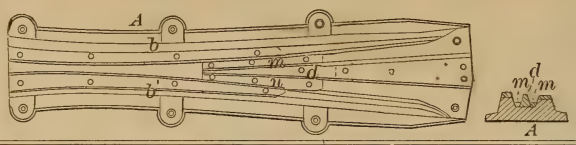


70059—J. D Wilber—*Harrester.*

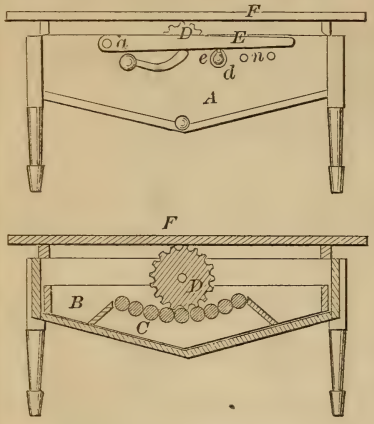
70055—West & Cunningham—*Carpet Fastener.*



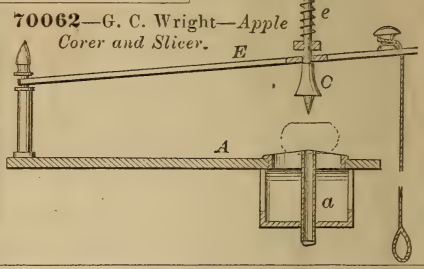
70061—J. Wixted—*Railway Frog.*



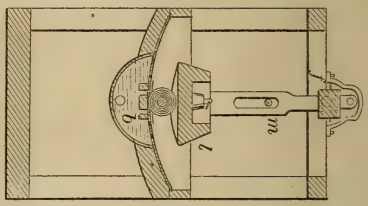
70064—D. Arndt—*Washing Machine.*



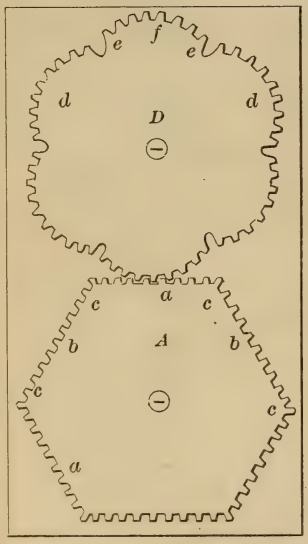
70062—G. C. Wright—*Apple Corer and Slicer.*



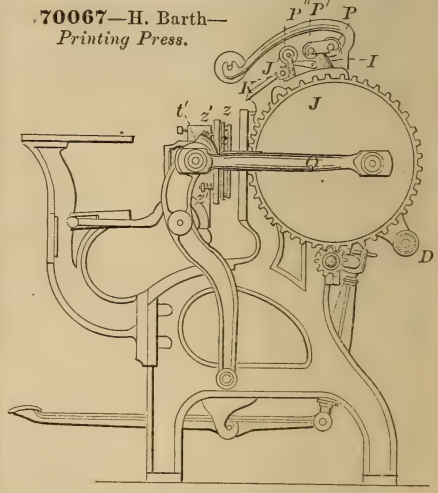
70066—J. F. Badoye—*Hat Felting Machine.*



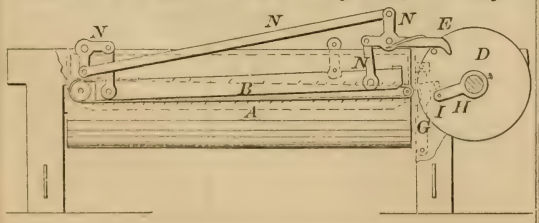
70063—E. Allen—*Mechanical Movement.*

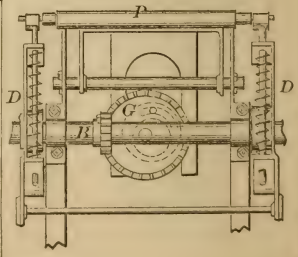


70067—H. Barth—*Printing Press.*

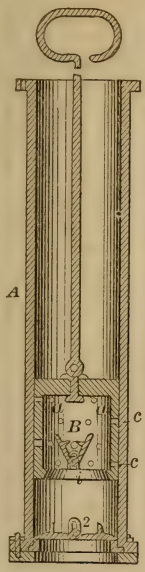


70065—A. C. Arnold—*For Crossing Bats for Felting.*

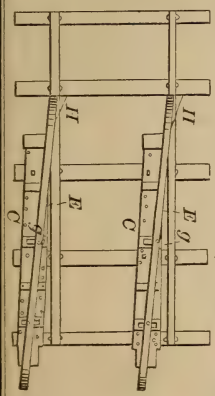




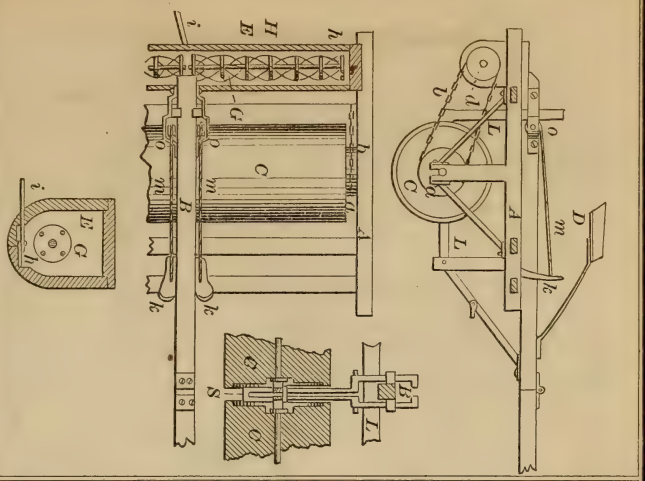
70068—Bauschlicker & Vanfleet—*Pump.*



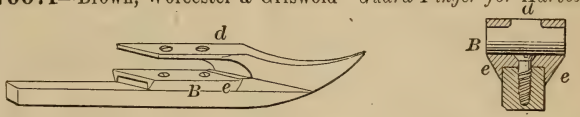
70069—A. G. Black—*Car Replacer.*



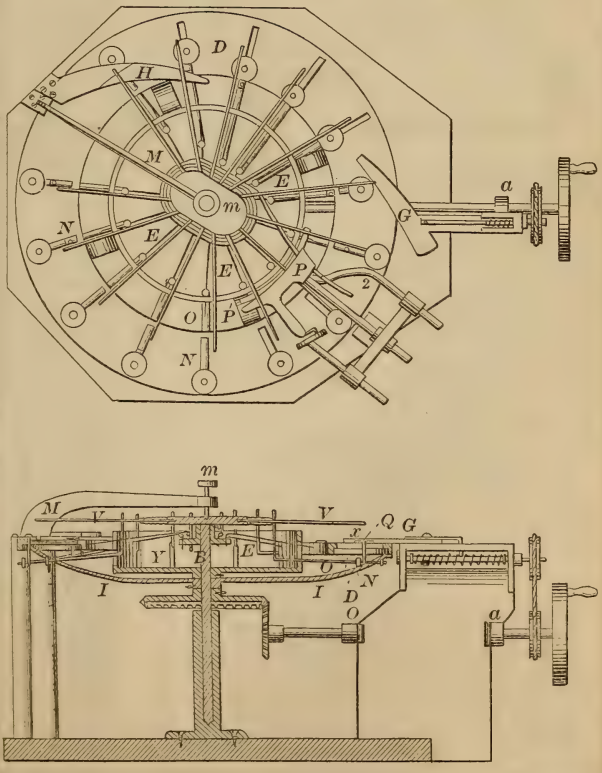
70070—Brock & Brondige—*Land Roller and Plaster Sower.*



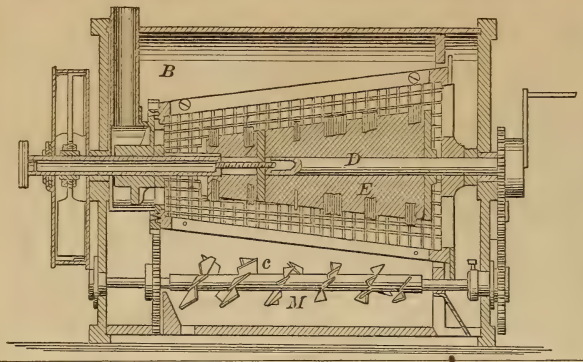
70071—Brown, Worcester & Griswold—*Guard Finger for Harvesters.*



70072—F. H. Brown—*For Making Baskets.*

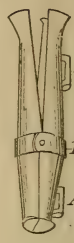


70073—Burr & Martyn—*For Hulling and Scouring Wheat.*

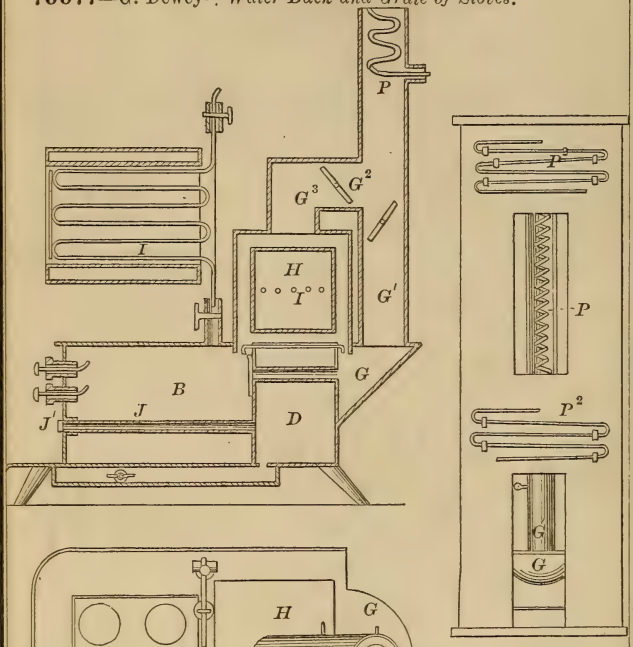


70074—J. M. Cayce—*Watchmakers' Tool.*

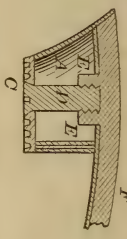
70075—Curtis & Worden—*Self-Adjusting Whip Holder.*



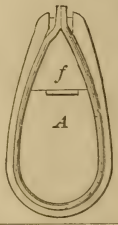
70077—G. Dewey—*Water Back and Grate of Stoves.*



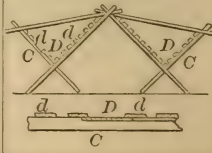
70078—Dyer & Drake—*Boot and Shoe Heel.*



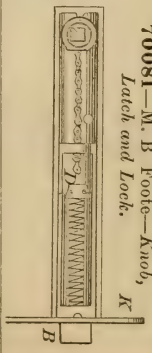
70079—E. P. Edstrom—*Horse Collar.*



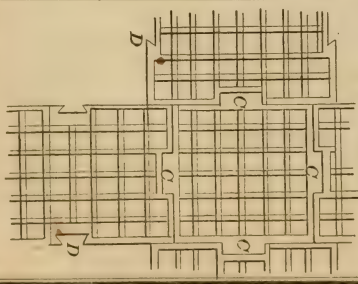
70080—N. T. Fitch—*Corn Crib*



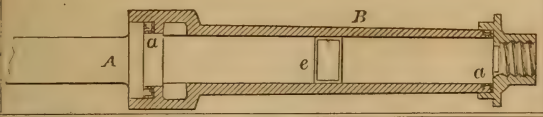
70081—M. B Foote—*Knob, Latch and Lock.*



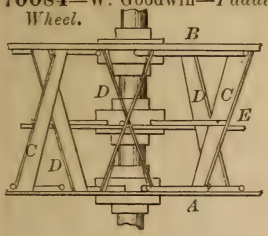
70076—J. Dean—*Metallic Pavement.*



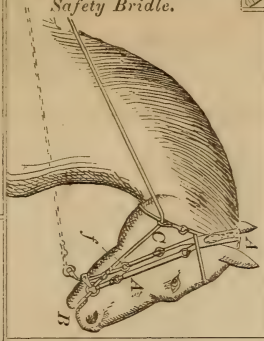
70082—W. K. Foster—*Washer for Axle Boxes.*



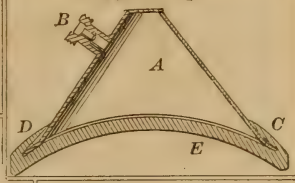
70084—W. Goodwin—*Paddle Wheel.*



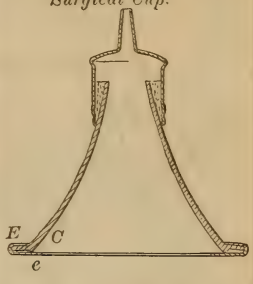
70089—F. A. Hannaford—*Safety Bridle.*



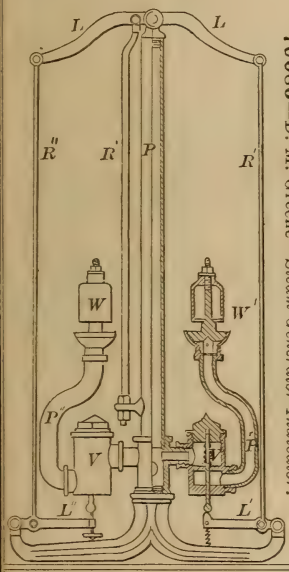
70087—G. Hadfield—*Surgical Cup.*



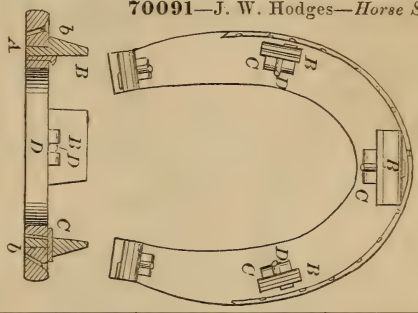
70088—G. Hadfield—*Surgical Cup.*



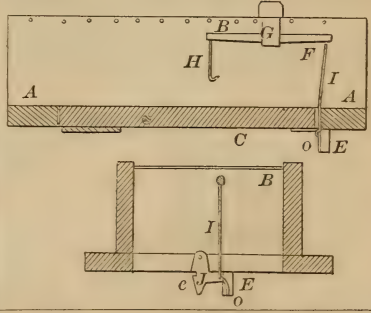
70086—D. M. Greene—*Steam Generator Indicator.*



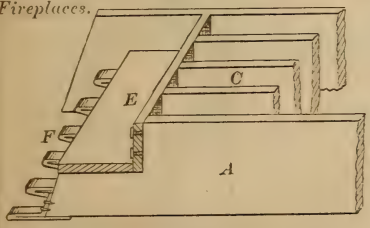
70091—J. W. Hodges—*Horse Shoe.*



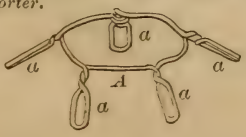
70093—B. Illingworth—*Animal Trap.*



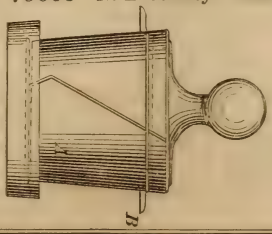
70090—J. L. Henderson—*Framework for Fireplaces.*



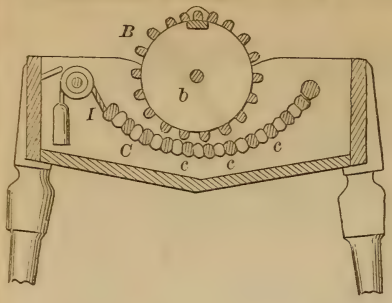
70094—G. C. James—*Lamp Shade Supporter.*



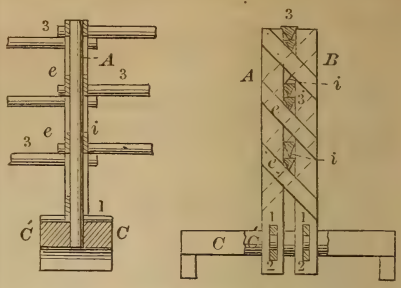
70095—N. L. Janney—*Butter Stamp.*



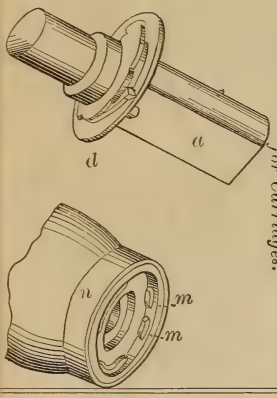
70096—G. H Kidney—*Washing Machine.*



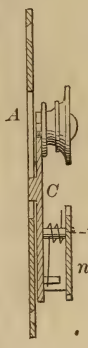
70097—J. E. Layton—*Fence.*



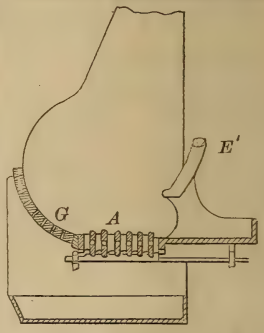
70098—J. H. Lewis—*Wheel and Axle for Carriages.*



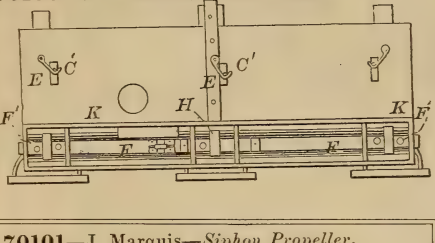
70099—T. Lyons—*Curtain Fixture.*

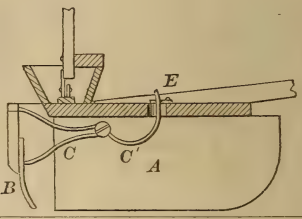


70102—J. H. Meissner—*Grate.*

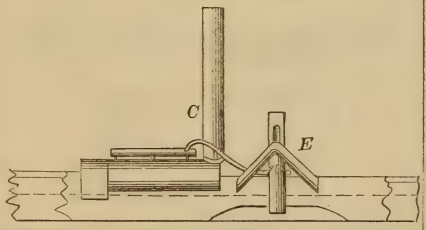


70100—J. L. Manlove—*Seed Planter*

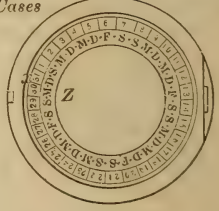




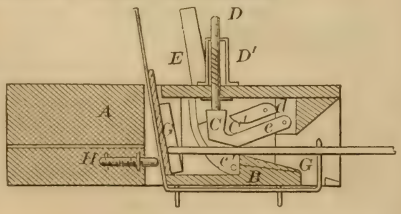
70101—J. Marquis—*Siphon Propeller.*



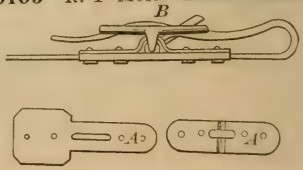
70104—J. D. Moore—*Calender for Watch Cases*



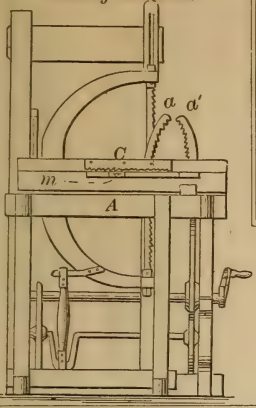
70103—J. Miller—*Car Coupling.*



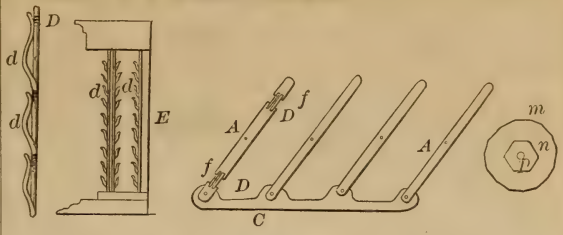
70105—R. T Moss—*Buckle Attachment.*



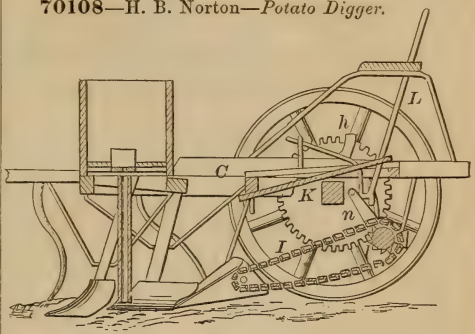
70106—G. L. Mowry—*Sawing Machine.*

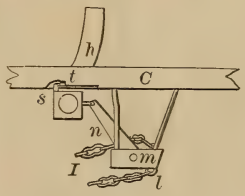


70107—G. A. Nelson—*Card Rack.*

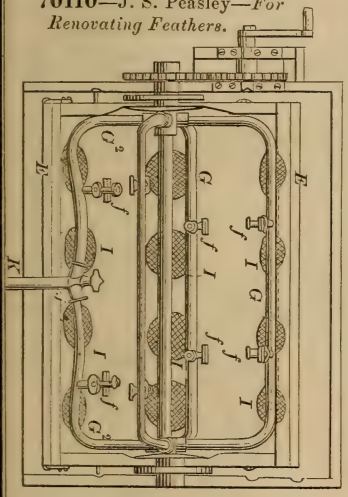


70108—H. B. Norton—*Potato Digger.*

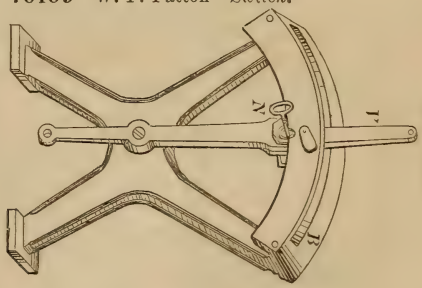


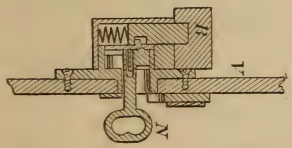


70110—J. S. Peasley—*For Renovating Feathers.*

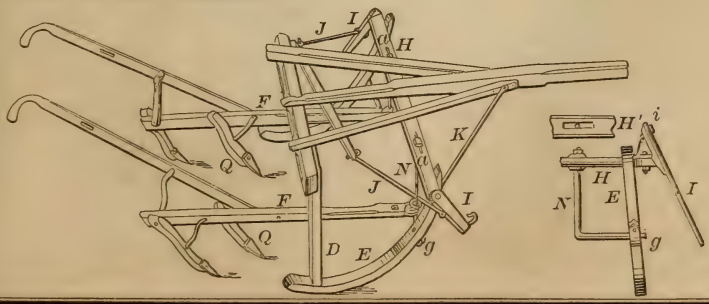


70109—W. P. Patton—*Switch.*

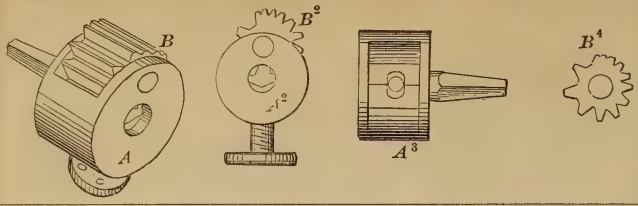




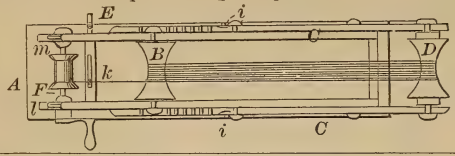
70111—E. Peck—*Cultivator.*



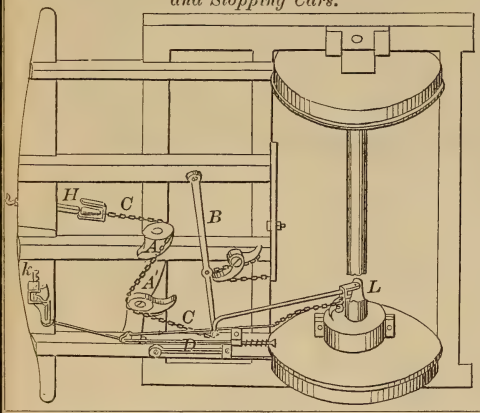
70112—B. W. Peirce—*Chuck.*



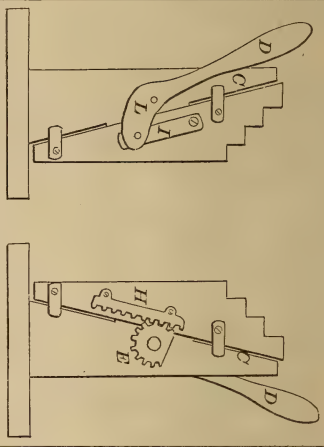
70113—A. S. Phillips—*For Spooling Thread.*



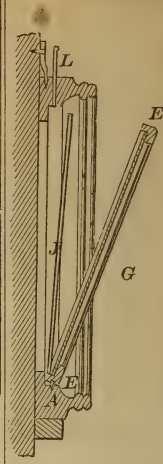
70114—Phillips, Southwick & Arnold—*Starting and Stopping Cars.*



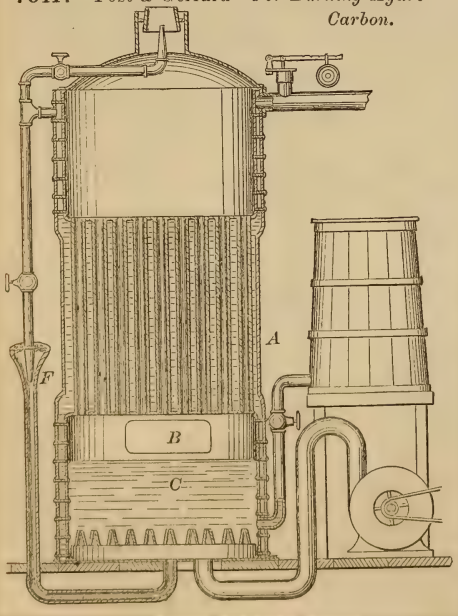
70115—O. L. Pinney—*Lifting Jack.*



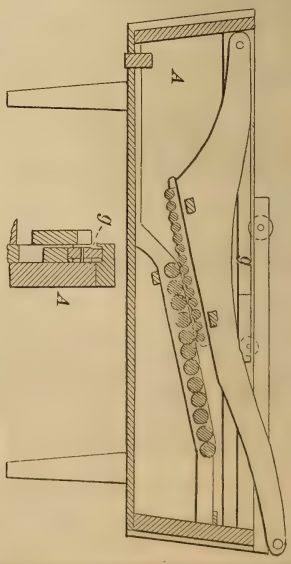
70116—C. P. Poinier—*Frame for Pictures, &c.*



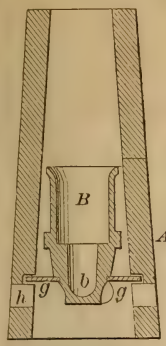
70117—Post & Gerrard—*For Burning Hydro-Carbon.*



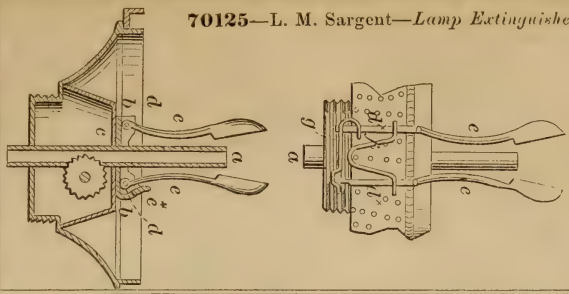
70118—C. C. & J. Purington—*Washing Machine.*



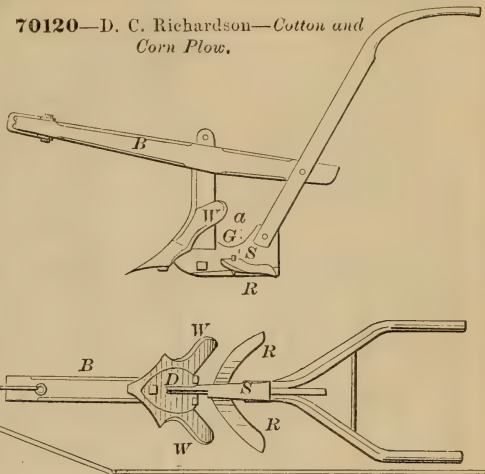
70119—J. Regester—*Hydrant.*



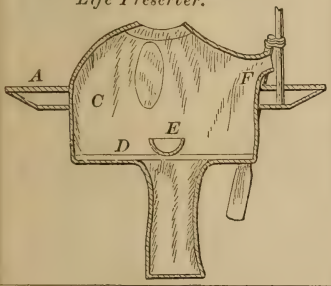
70125—L. M. Sargent—*Lamp Extinguisher.*



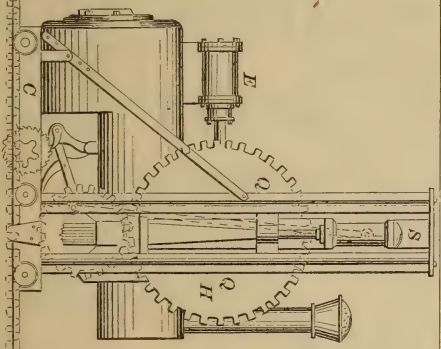
70120—D. C. Richardson—*Cotton and Corn Plow.*



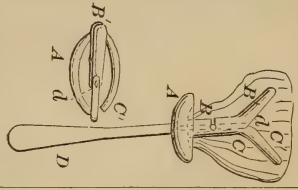
70121—R. Robinson—*Life Preserver.*



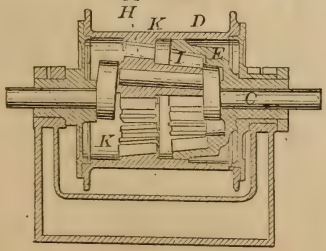
70123—H. J. Ruggles—*Stone Channeling Machine.*



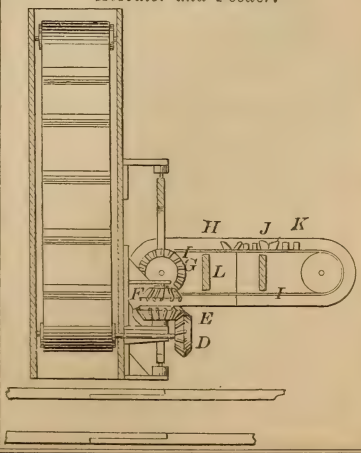
70124—T. C. Sachse—*Pessary.*



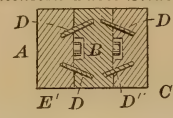
70122—J. F. Rochow—*Hoisting Apparatus.*



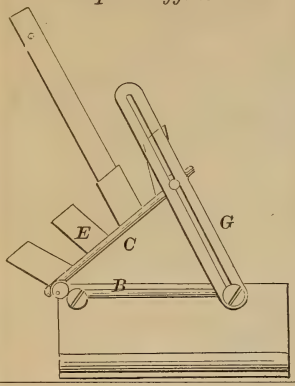
70126—B. F. Sherman—*Grain Elevator and Feeder.*



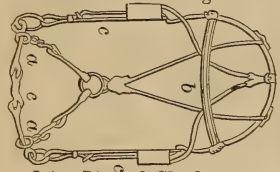
70127—Shute & Jackson—*Extension Table Slide.*



70128—C. Smith—*Hanging Top to Buggies.*

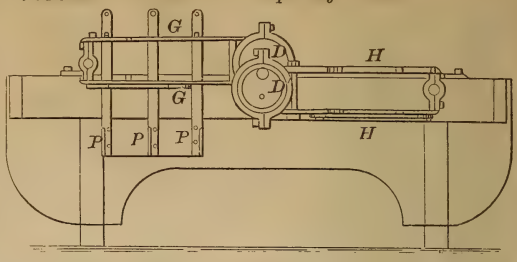


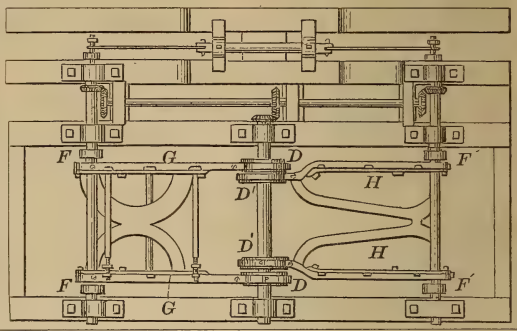
70129—R. D. Sterling—



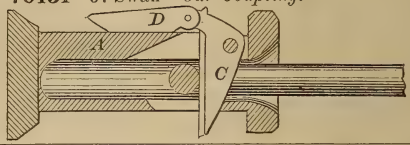
Joint Bit and Check.

70130—R. R. Stevens—*Propelling Vessels.*

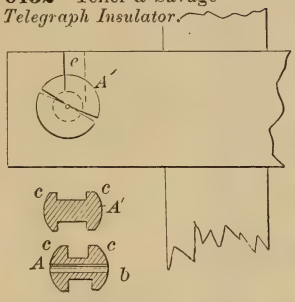




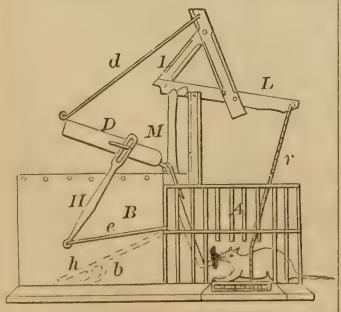
70131—J. Swan—*Car Coupling.*



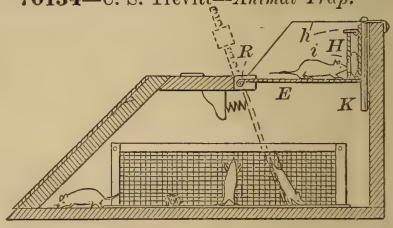
70132—Teller & Savage—*Telegraph Insulator.*



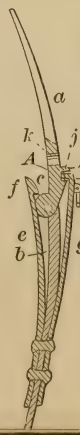
70133—J. Trainer—*Animal Trap.*



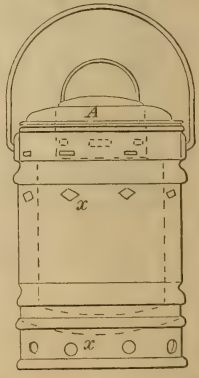
70134—C. S. Trevitt—*Animal Trap.*



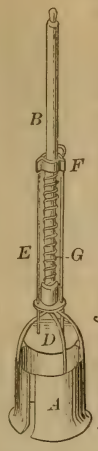
70135—W. Truby—*Manure Fork, &c.*



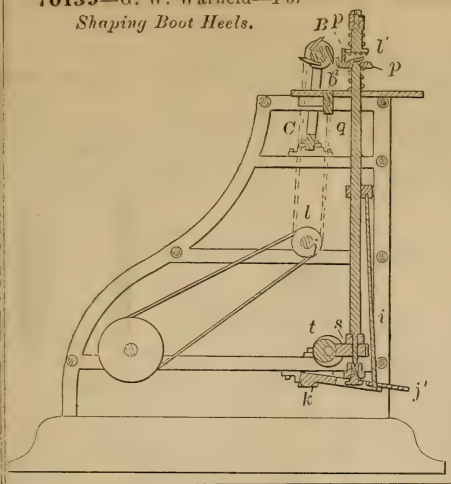
70136—C. M. Vail—*Cooler for Water, Milk, Beer, &c.*



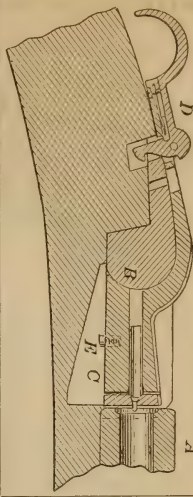
70137—Vance & Watkins—*For Cutting Post Holes.*



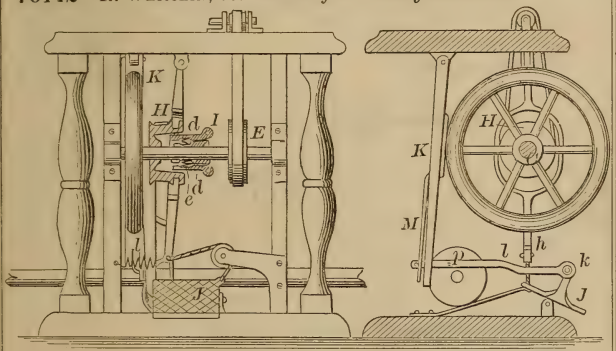
70139—G. W. Warfield—*For Shaping Boot Heels.*



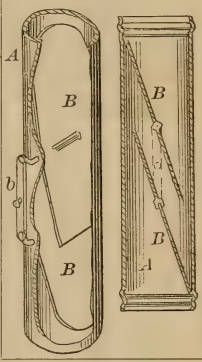
70141—L. Wheelock—*Breech-Loading Fire Arm.*



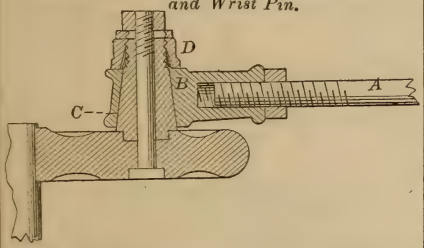
70142—R. Whitehill, Jr.—*Motor for Sewing Machines.*



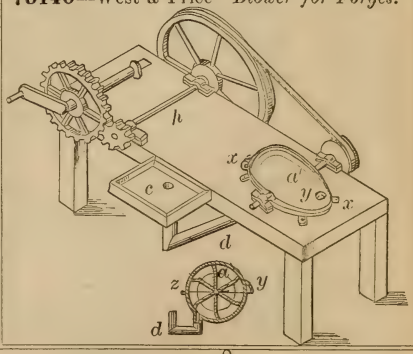
70138—J. C. Ward—*Stove Pipe Drum.*



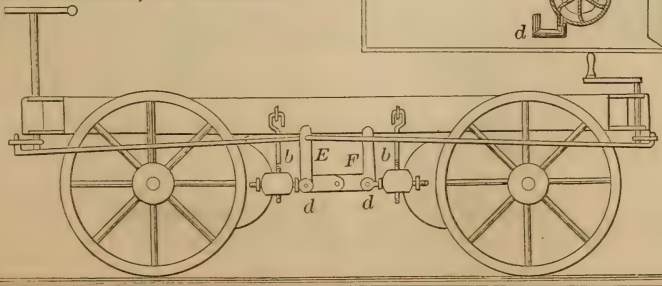
70143—W. N. Whiteley—*Pitman Head and Wrist Pin.*



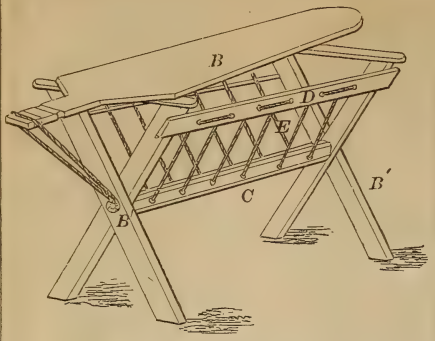
70140—West & Price—*Blower for Forges.*



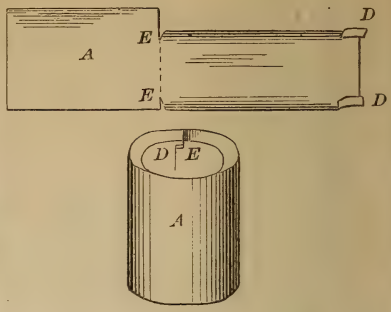
70145—J. F. Wood, 2d—*Car Brake.*



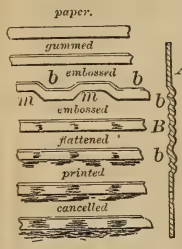
70146—A. T. Woolsey—*Ironing Table.*



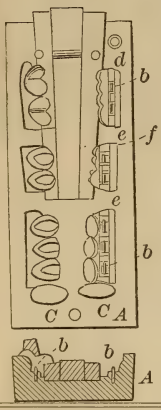
70150—S. O. Avery—*Milk Can.*



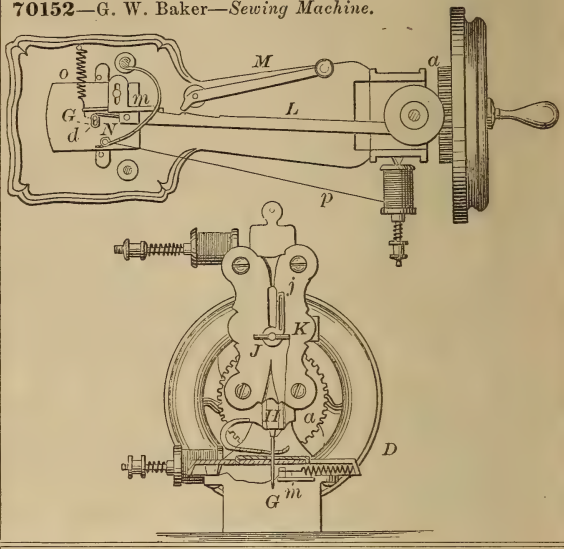
70147—C. F. Steel—*Postage Stamp Manufacture.*



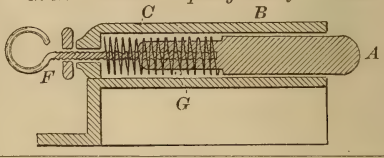
70148—A. M. Asay—*Mould for Artificial Teeth.*



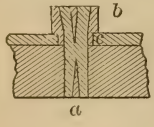
70152—G. W. Baker—*Sewing Machine.*



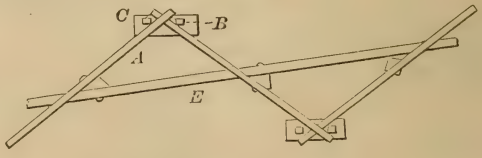
70149—G. F. Atkinson—*Spring Bolt for Doors.*



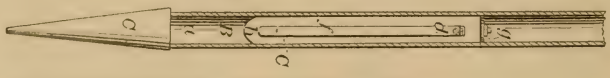
70151—J. Baird—*Treenail.*



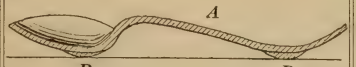
70153—T. H. Bellard—*Field Fence.*



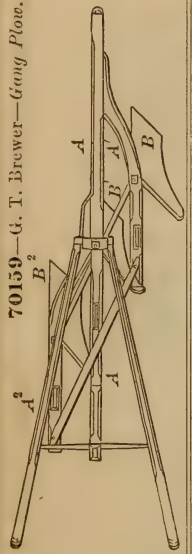
70154—R. N. Bennett—*Sinking Well Tubing.*



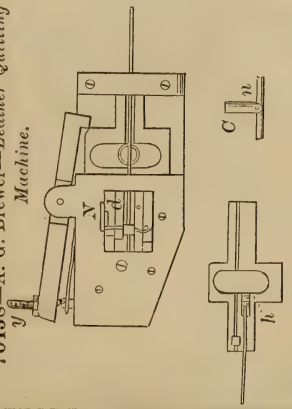
70156—J. C. Blackman—*Plated Ware.*



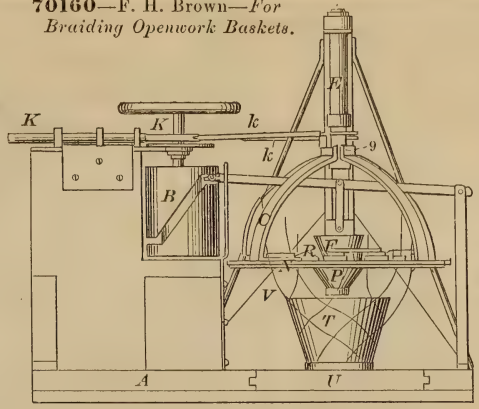
70159—G. T. Brewer—*Gang Plow.*

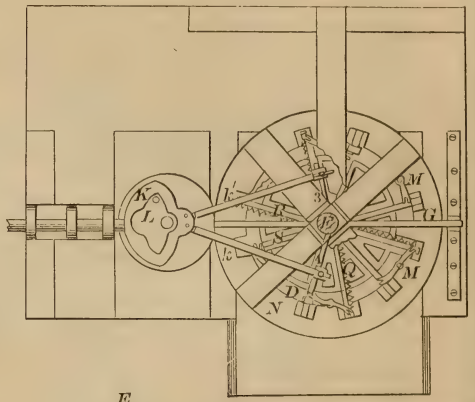


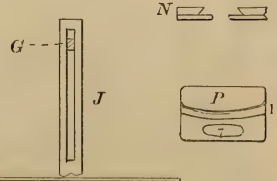
70158—A. G. Brewer—*Leather Quilting Machine.*

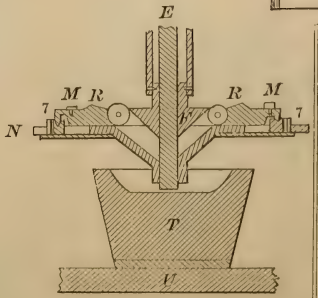


70160—F. H. Brown—*For Braiding Openwork Baskets.*

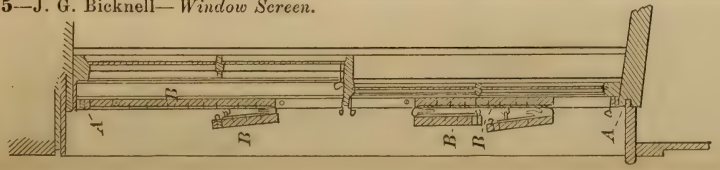




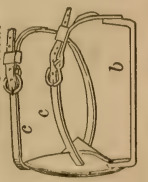




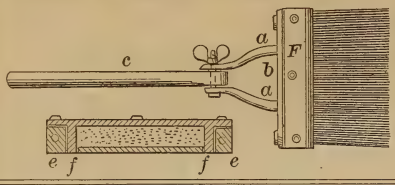
70155—J. G. Bicknell—*Window Screen.*



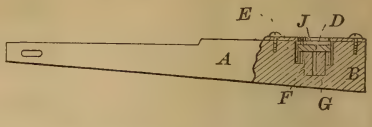
70157—J. P. Bradley—*Boot and Shoe Shield.*



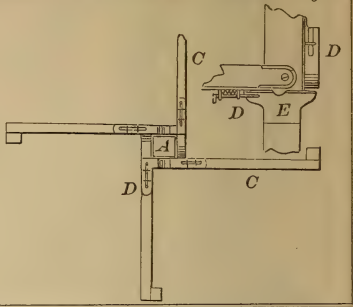
70161—J. Buercky—*Brush.*



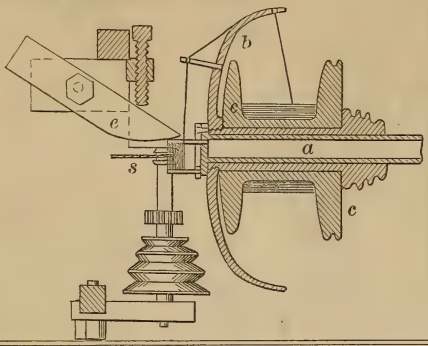
70164—Card & Andrews—*Picker for Looms.*



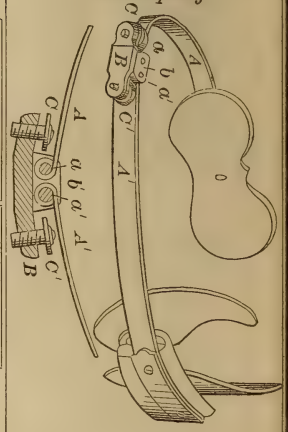
70165—R. D. Chandler—*Clothes Dryer.*



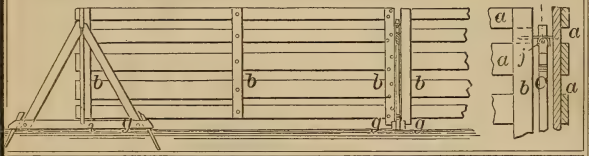
70163—W. Canter—*Chenille.*



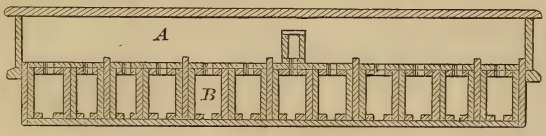
70169—Colton & Angell—*Truss Spring.*



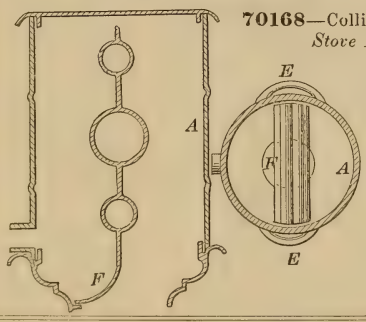
70162—G. W. Campbell—*Portable Fence.*



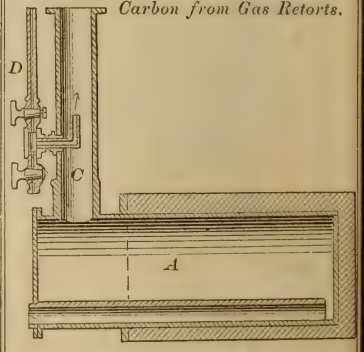
70167—J. Coats—*Beehive.*



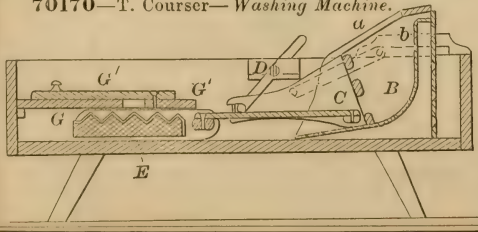
70168—Collins & Bergie—*Stove Drum.*



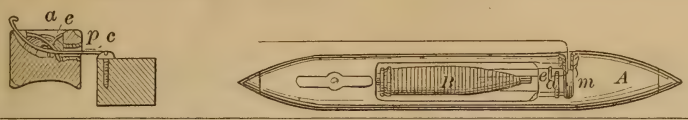
70166—B. E. Chollar—*Removing Carbon from Gas Retorts.*



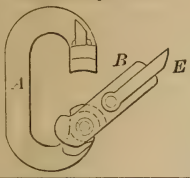
70170—T. Courser—*Washing Machine.*



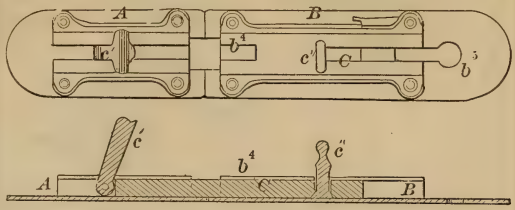
70171—G. L. Crandal—*Shuttle.*



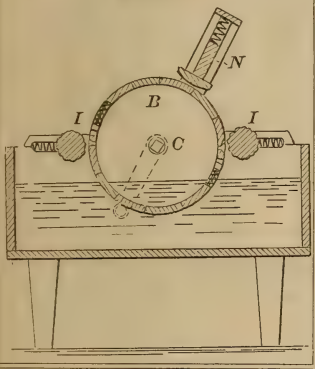
70172—R. Creuzbaur—*Connecting Link.*



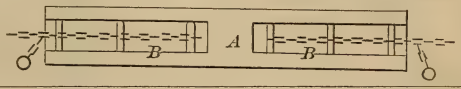
70173—J. M. & M. L. Cummings—*Shutter Bowing Bolt.*



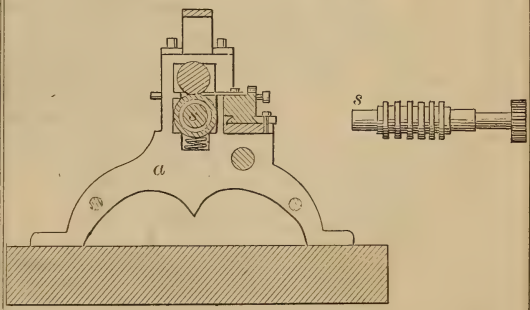
70178—H W. Driver—*Washing Machine.*



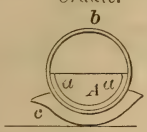
70174—J. P. Davis—*Bunk for Logging Sleigh.*



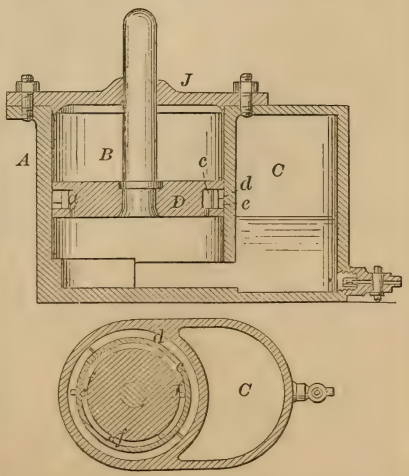
70175—A. Dawes—*Leather Splitting Machine.*



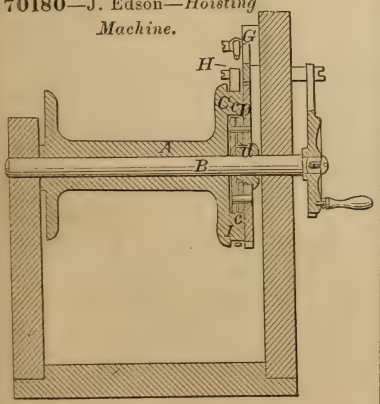
70179—D. A. Dunham—*Cradle.*



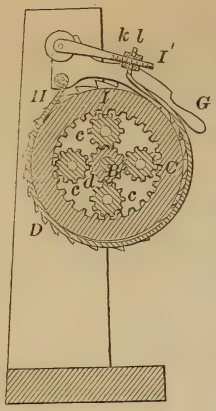
70177—W. A. Dripps—*Pneumatic Spring.*



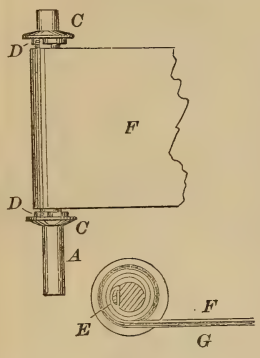
70180—J. Edson—*Hoisting Machine.*



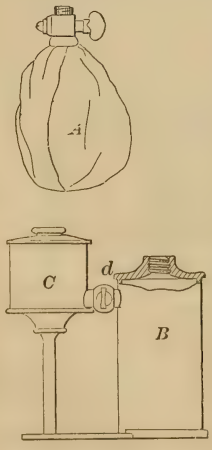
70180—*Continued.*



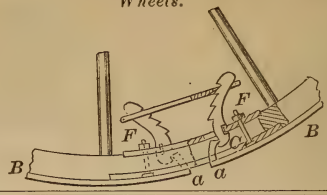
70181—T. B. Emerson—*Clothes Wringer.*



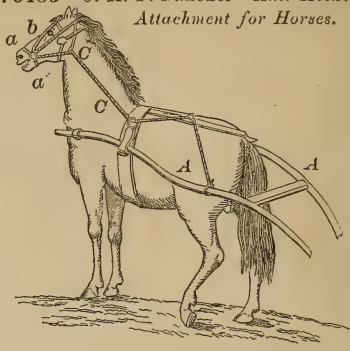
70184—M. Faloon—*Gas Generator.*



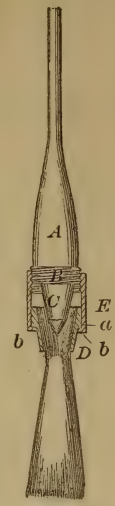
70183—A. Fagerstrom—*Setting Tires on Wheels.*



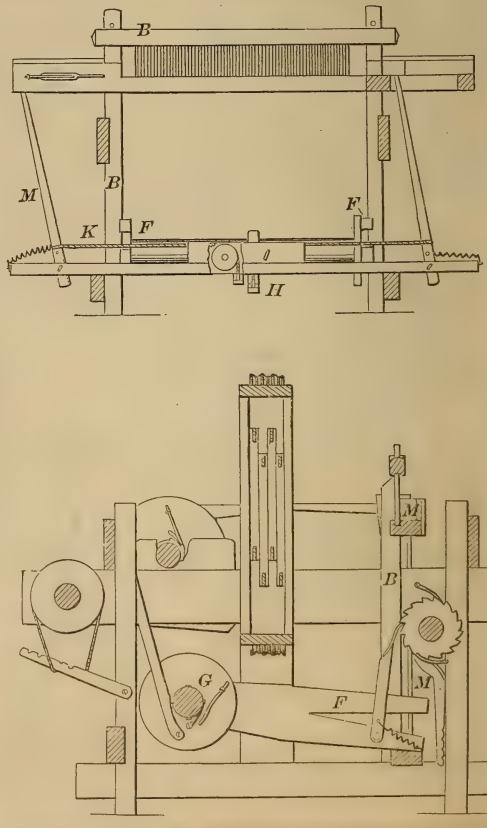
70185—O. H. P. Fancher—*Anti-Kicking Attachment for Horses.*



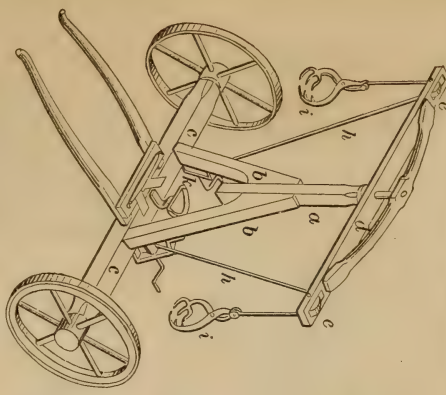
70182—J. M. Estabrook—*Paint Brush.*



70186—G. W. Friestone—*Hand Loom.*

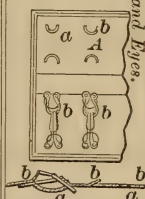


70189—Forshee & McCland—*Hay Stacker.*

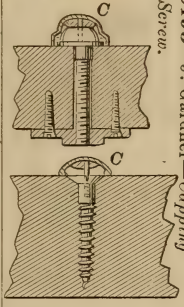


70191—I. Freed—*Seat for Chamber Vessels*

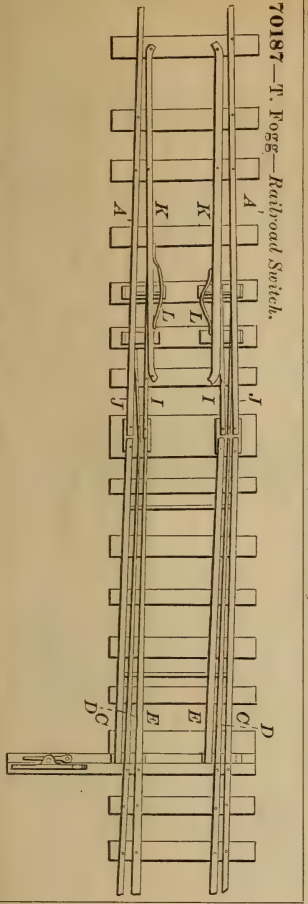
70190—M Fowler—*Card for Hooks and Eyes.*



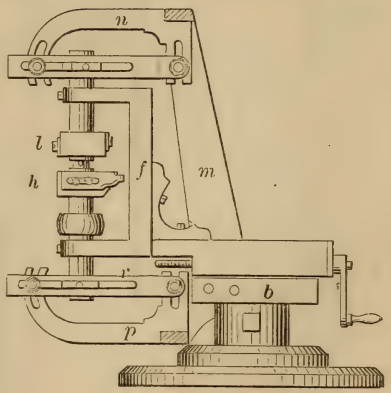
70193—J. Gardner—*Cropping Screw.*

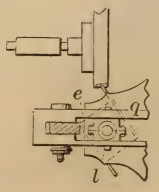


70187—T. Fogg—*Railroad Switch.*

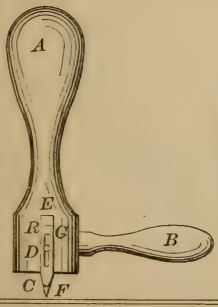


70192—T. F. Freeman—*For Cutting Wood Gear.*

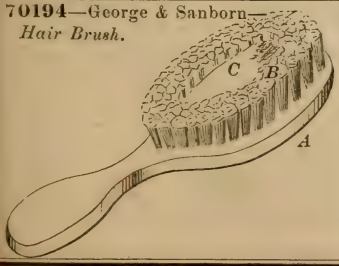




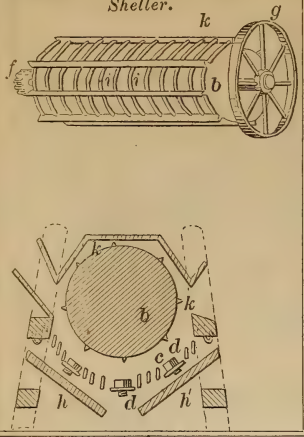
70188—W H Forker—*For Opening Cans.*



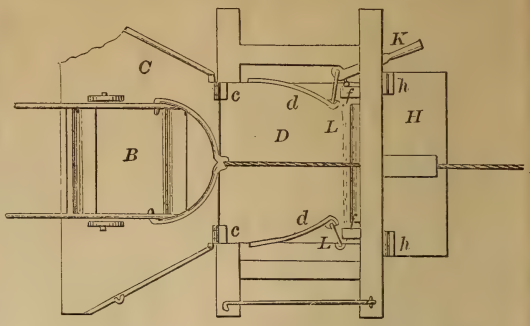
70194—George & Sanborn—*Hair Brush.*



70195—G. Goewey—*Corn Sheller.*

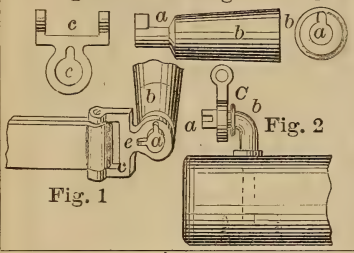


70196—W. Goff—*Portable Dumping Machine.*

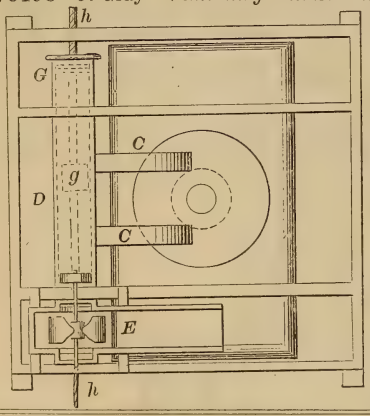


70197—W. W. Gordon—*Whiffletree Cock Eye.*

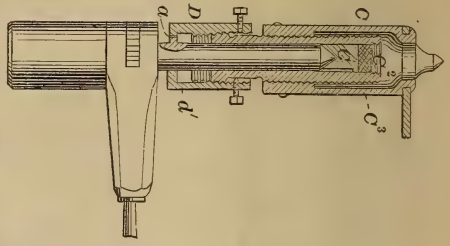
Fig. 5 Fig. 4 Fig. 3



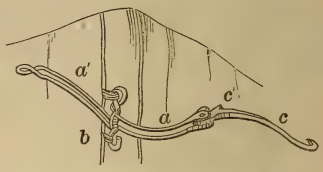
70198—J. Gray—*Ventilating Mill Stones.*



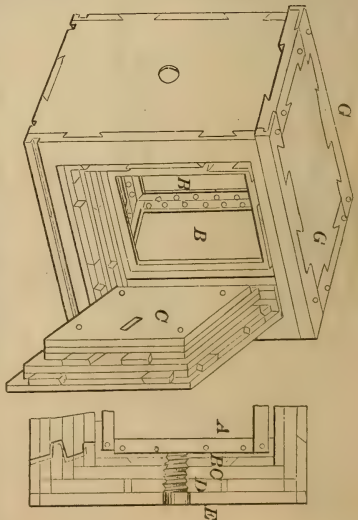
70199—J. Gray—*Ratchet Drill.*



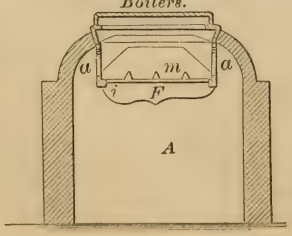
70201—J. Grimes—*Bag Tie.*



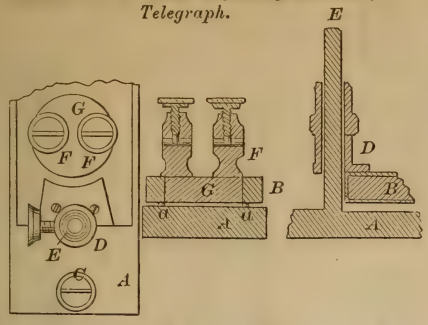
70202—J. L. Hall—*Safe.*



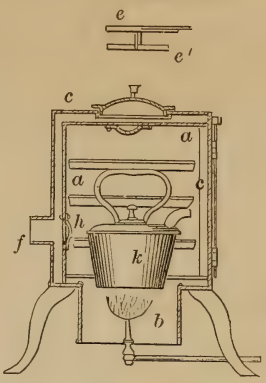
70200—J. Green—*Furnace for Steam Boilers.*



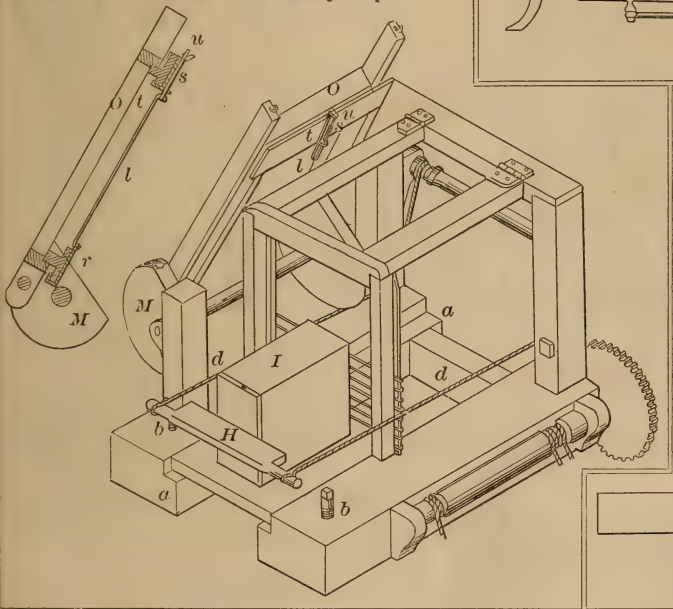
70203—W. H. Hall—*Lightning Arrester for Telegraph.*



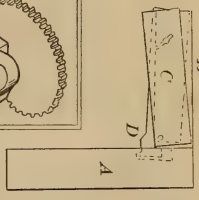
70207—D. G. Haskins—*Gas Cooking Apparatus.*



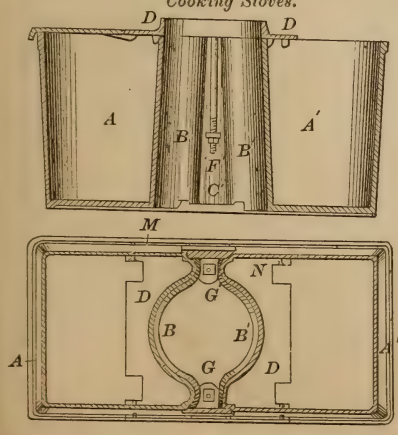
70205—C. H. Hardy—*For Cutting Soap.*



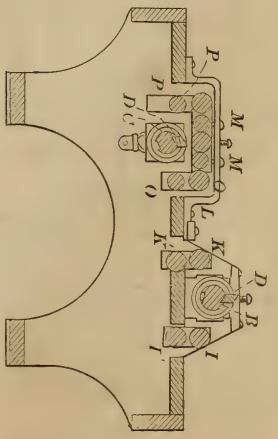
70204—N. Hamblin—*Try Square.*



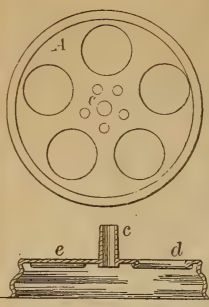
70206—Harris & Zoiner—*Water Reservoir for Cooking Stoves.*



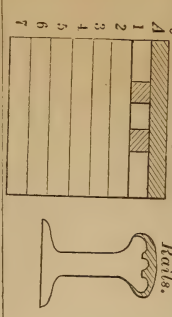
70208—W. D. Hatch—*Planing Machine.*



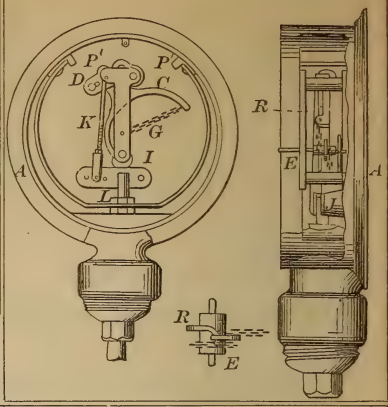
70209—W. E. Hawkins—*Cruet Caster.*



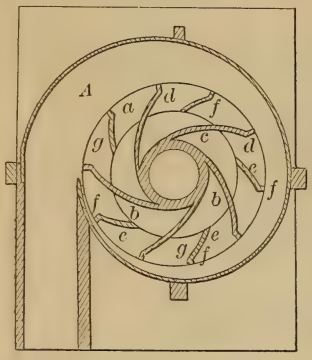
70212—A. J. Hindermeyer—*Piling, Heating and Flueing Fagot for Railroad Rails.*



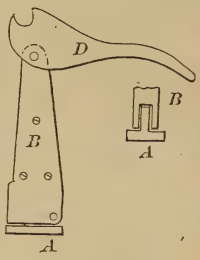
70213—J. P. Holt—*Steam Gauge.*



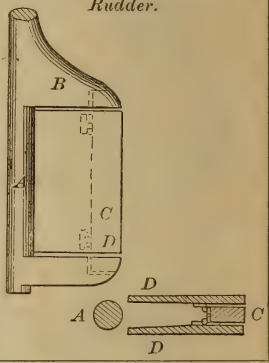
70211—G. W. Herring—*Water Wheel.*



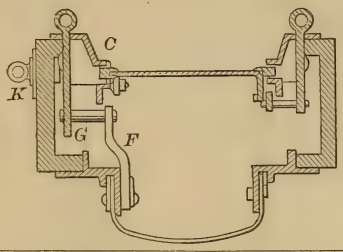
70214—C. Holmes—*Lifting Jack.*



70216—D. W. Howard—*Rudder.*

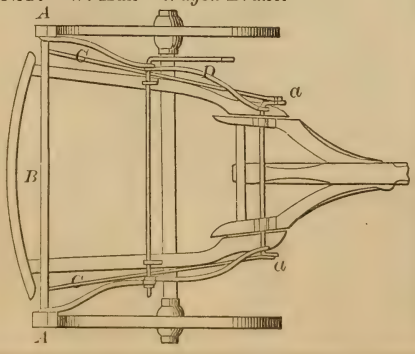


70216—J. L. Howard—*Railroad Car Ventilator.*



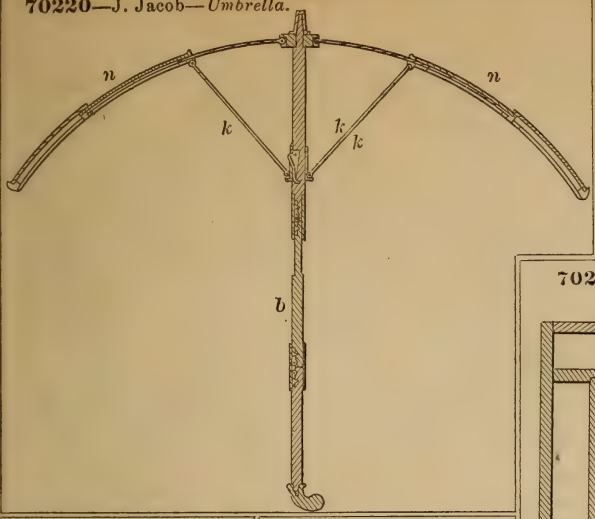
70218—H. Humphrey—*Button Fastening.*

70217—W. Hull—*Wagon Brake.*



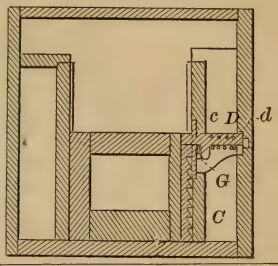
70216—W. Humphreys—*Buggy Spring.*

70220—J. Jacob—*Umbrella.*

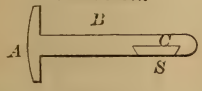


70226—G. L. Kelty—*Window Shade Material.*

70221—Jelley & Gowell—*Sash Fastener.*

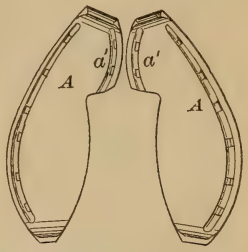


70223—S. E. Jewett—*Joint Bolt.*

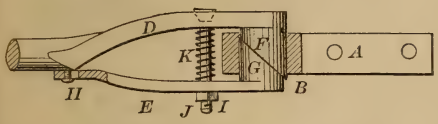


70222—J. G. Jewell—*Window Sash Stop.*

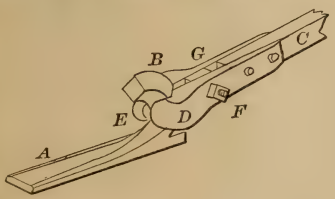
70227—H. Lake—*Ox Shoe.*



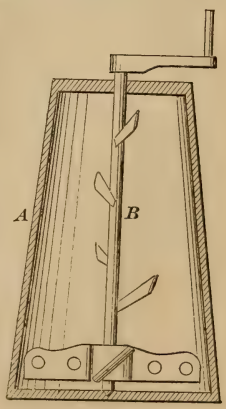
70224—W. J. Keeney—*Pitman Coupling.*



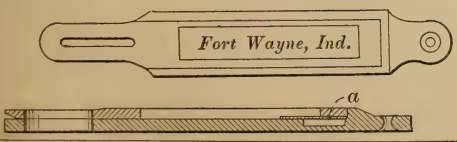
70225—W. J. Keeney—*Pitman Coupling.*



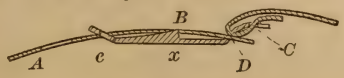
70229—J. Leaken—*Churn Dasher.*



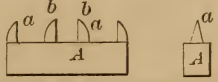
70228—G. A. Lamb—*Label Holder for Mail Bags.*



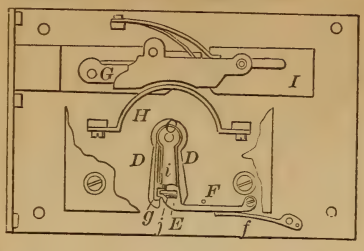
70230—R. H. Lecky—*Cotton Bale Tie.*

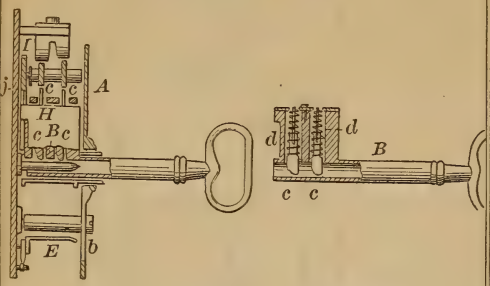


70231—G. W. Lewis—*Horse Shoe.*

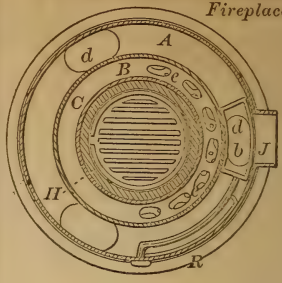


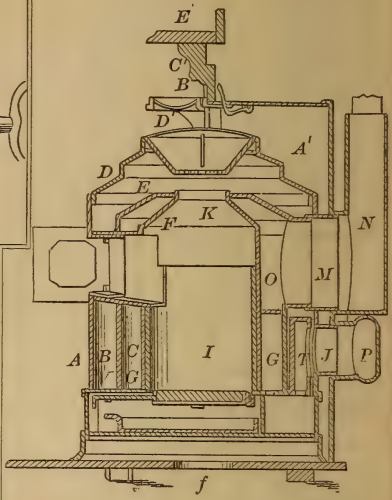
70232—R. Lewis—*Safe Lock.*





70233—J. Liddle—*Furnace for Fireplaces.*





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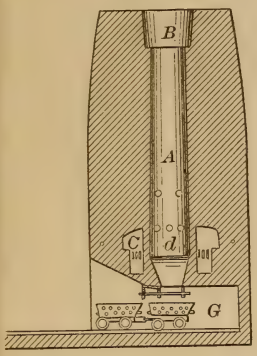
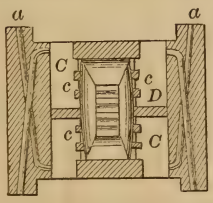
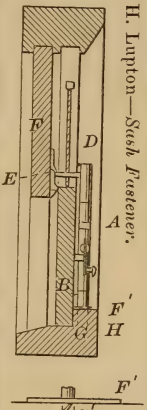
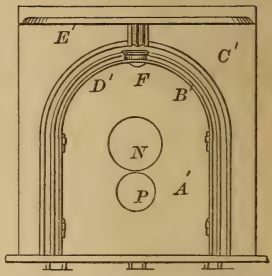




70236—G. H. Lupton—*Stash Fastener.*





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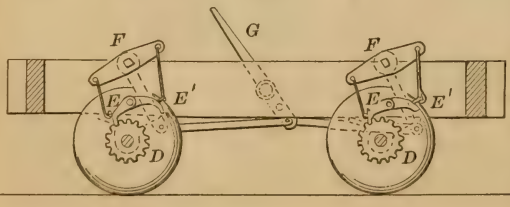
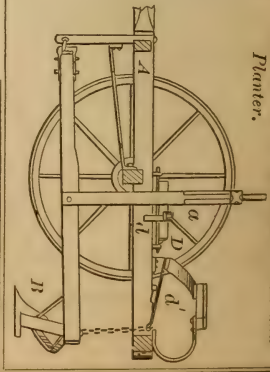
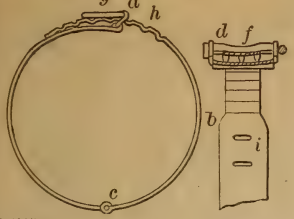


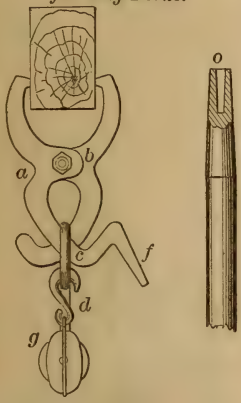
70237—J. D. Marshall—*Plow and Planter.*



70238—McCoy & Wheeler—*Metallic Garter.*

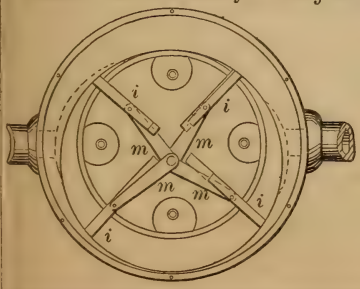


70239—G. D. Melotte—*Clutch for Hay Forks.*

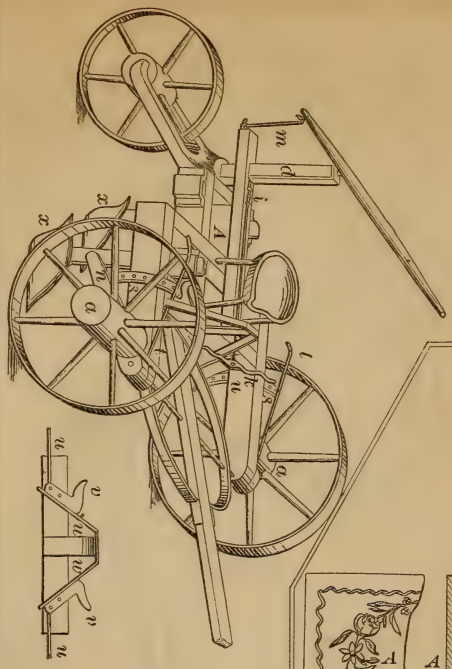


70241—W. Money—*Fastening for for Umbrella Runners.*

70242—Moore & Emery—*Rotary Meter.*

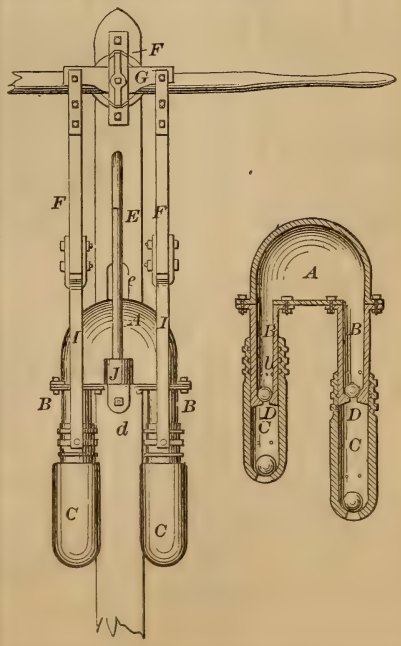


70243—J. Moore—*Plow.*

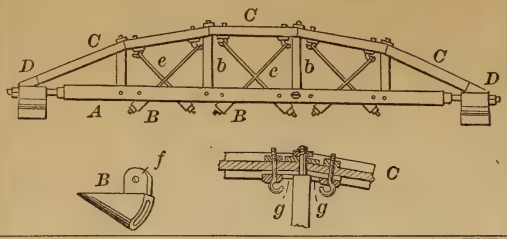


70240—J. C. Millward—*Ornamenting Glass.*

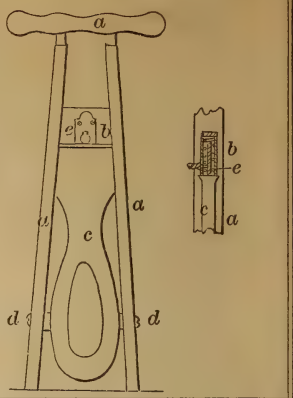
70244—J. A. Morrell—*Pump.*



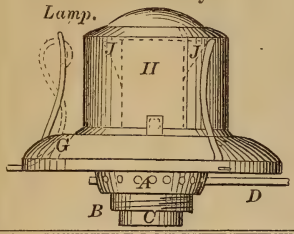
70245—D. H. Morrison—*Iron Bridge.*



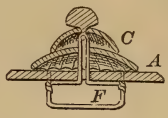
70246—J. G. Moulton—*Boot Jack.*



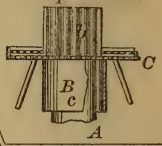
70247—W. Mullally—*Lamp.*



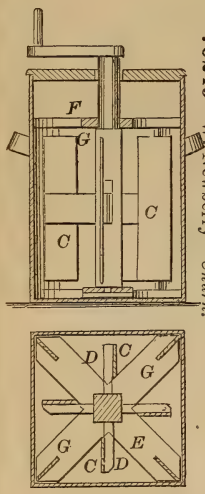
70251—W. F. Niles—*Rosette for Bridles.*



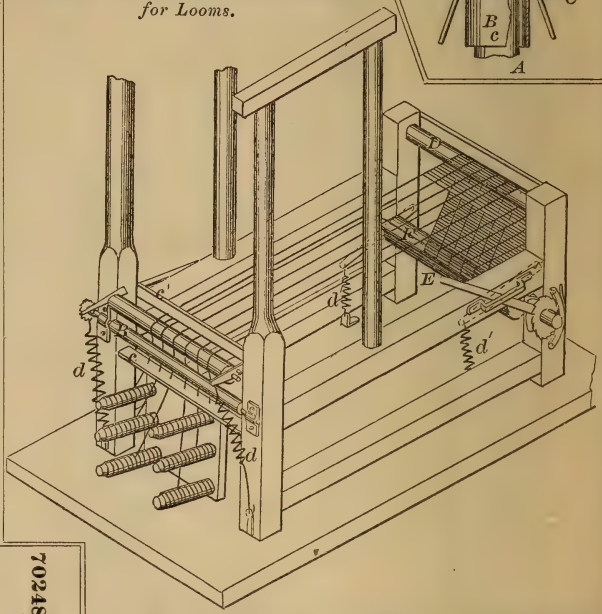
70252—G. K. Osborn—*Lamp Burner.*



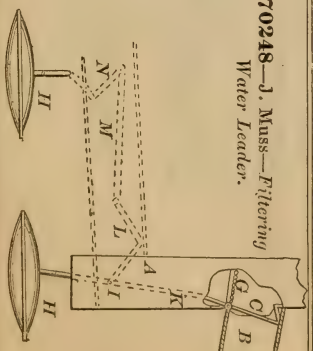
70246—W. Newberry—*Churn.*



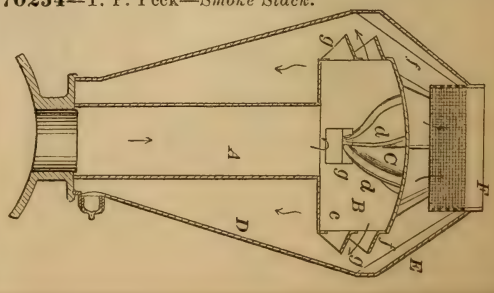
70253—F. Painter—*Tension Regulator for Looms.*



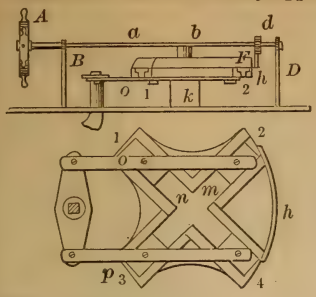
70248—J. Muss—*Filtering Water Leader.*



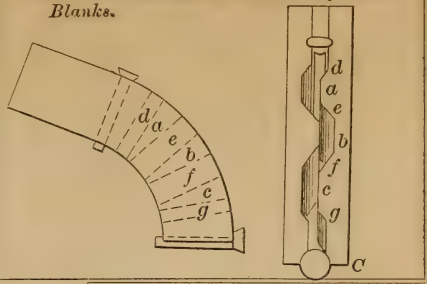
70254—T. P. Peck—*Smoke Stack.*



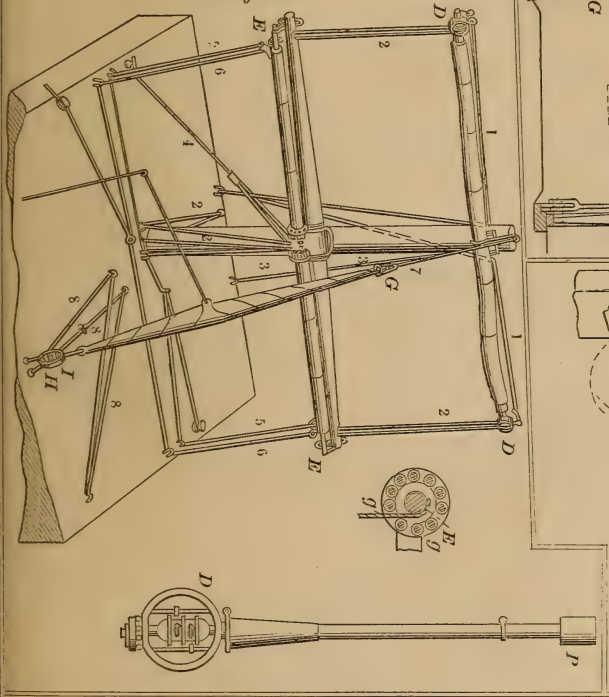
70255—J. Perkins—*Steering Apparatus.*



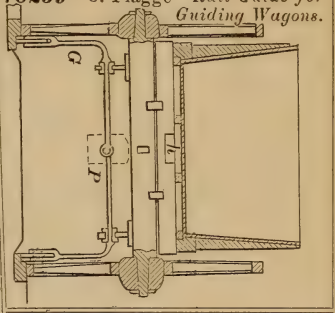
70257—E. S. Pierce—*For Feeding Screw Blanks.*



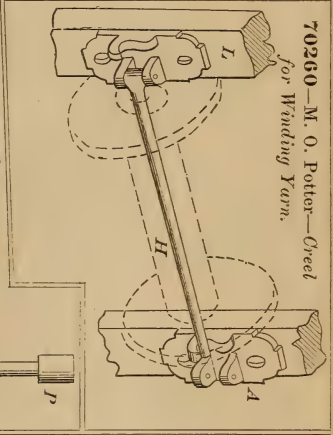
70256—C. Peterson—*For Setting, Reefing and Furling Sails.*



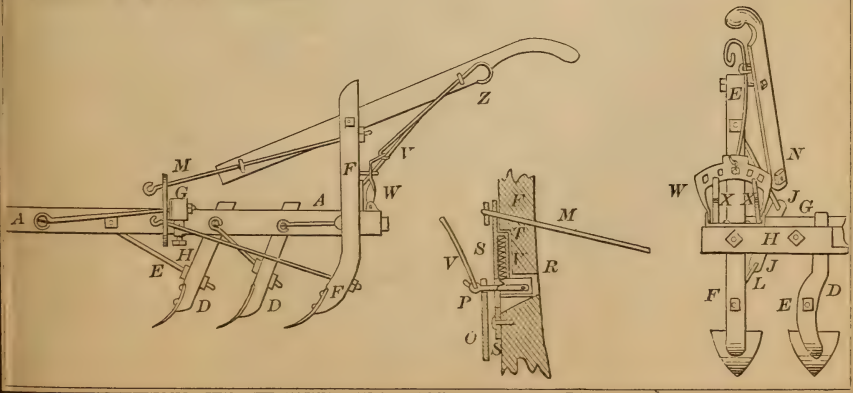
70259—C. Plagge—*Rail Guide for Guiding Wagons.*



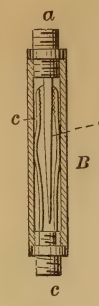
70260—M. O. Potter—*Creel for Winding Yarn.*



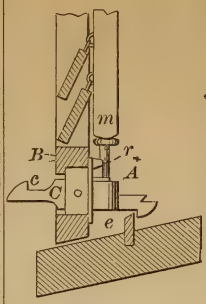
70258—E. W. Pike—*Cultivator.*



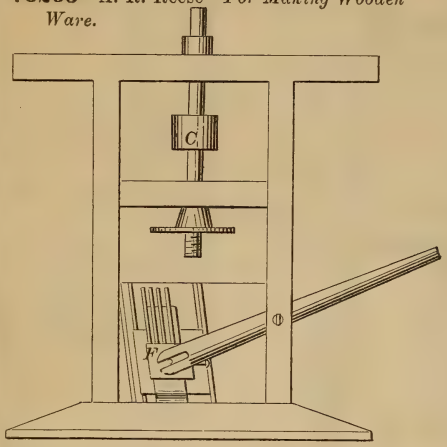
70261—W. Quail—*Case for Bodkin and Tweezers.*



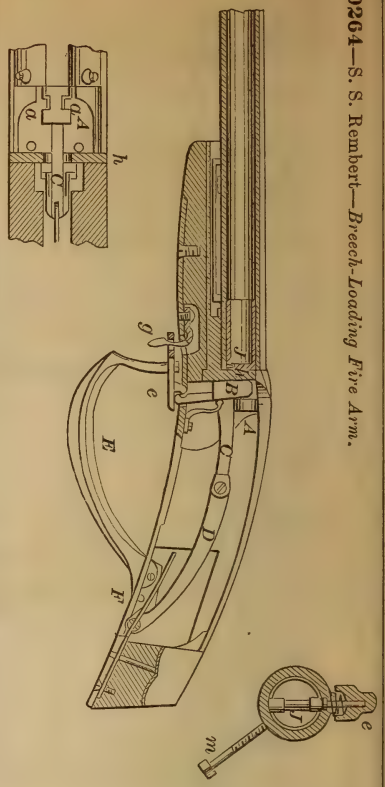
70262—F Raymond—*Shutter Catch.*



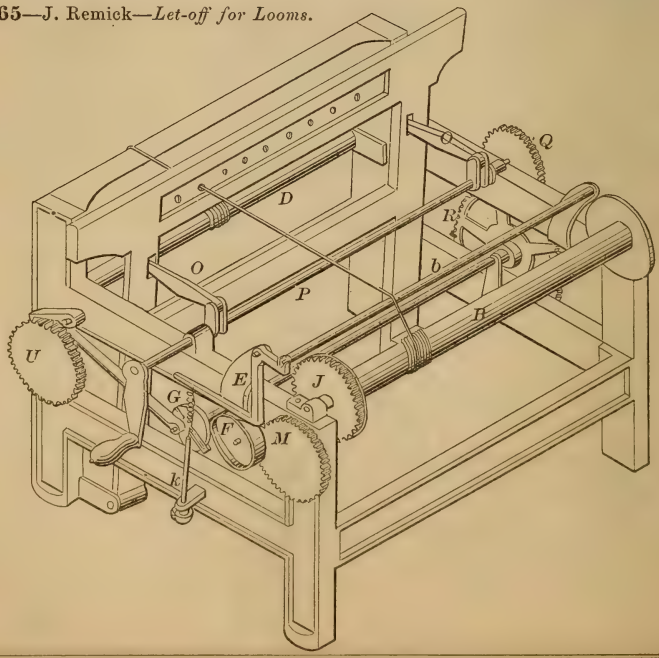
70263—A. R. Reese—*For Making Wooden Ware.*



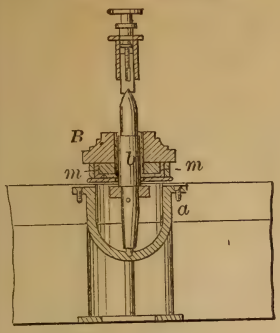
70264—S. S. Rembert—*Breech-Loading Fire Arm.*

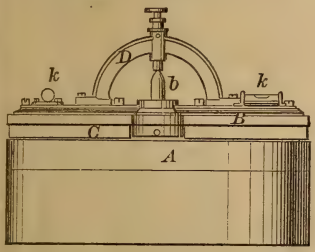


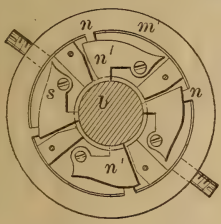
70265—J. Remick—*Let-off for Looms.*



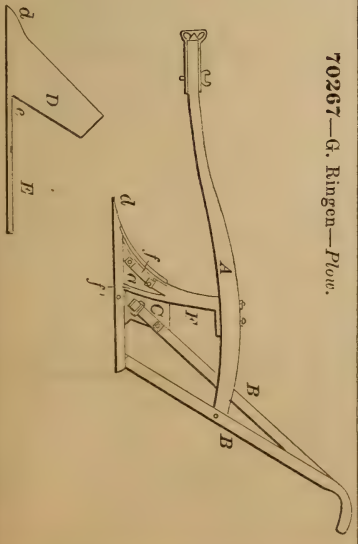
70266—W. Ring—*Tram Staff for Grinding Mills.*



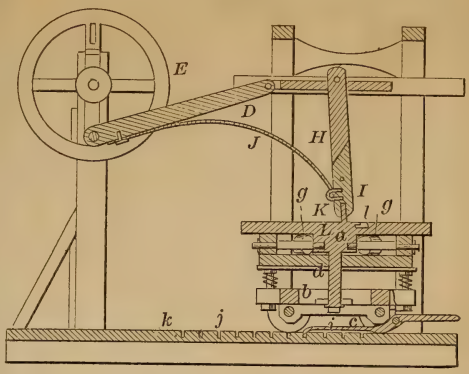




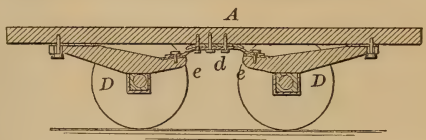
70267—G. Ringen—*Plow.*



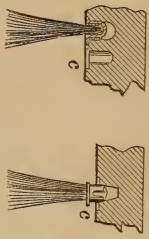
70268—Roberts & Lennox—*For Beaming Hides or Skins.*



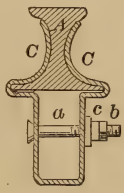
70269—D. T. Robinson—*Railway Car.*



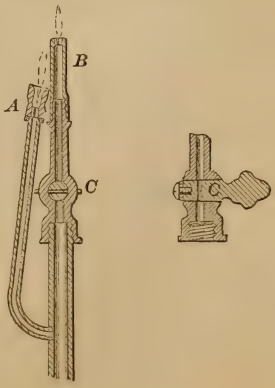
70270—Rogers & Wilkins—*Holding Bristles in Brush Stocks.*



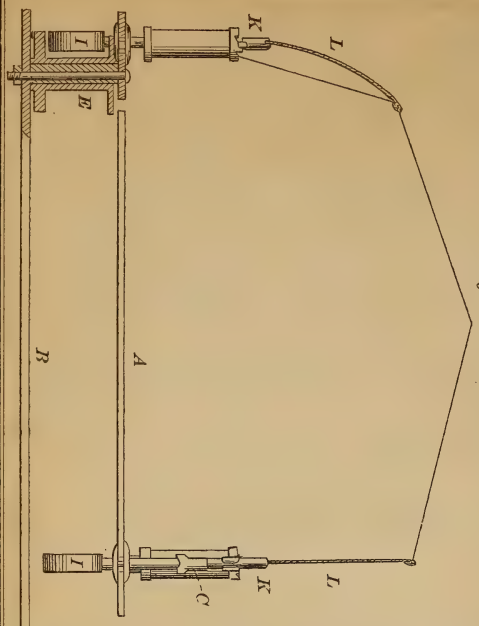
70271—B. J. Romaine—*Railroad Chair.*



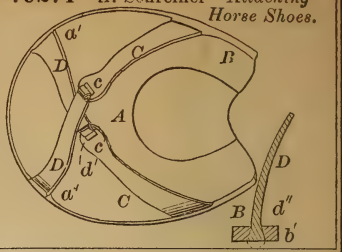
70272—E. P. Russell—*Lighting Street Gas Burners.*



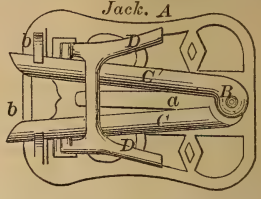
70273—S. Scholfield—*Braiding Machine Carrier.*



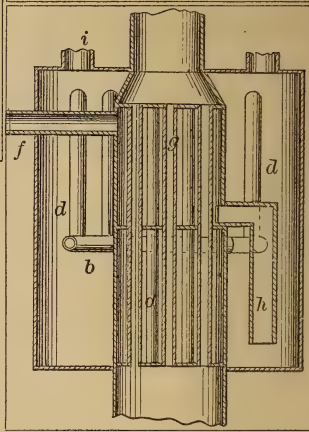
70274—H. Schreiner—*Attaching Horse Shoes.*



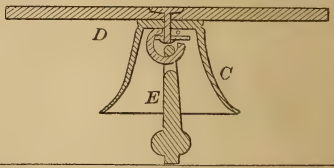
70275—A. P. Seymour, Jr.—*Boot Jack. A*



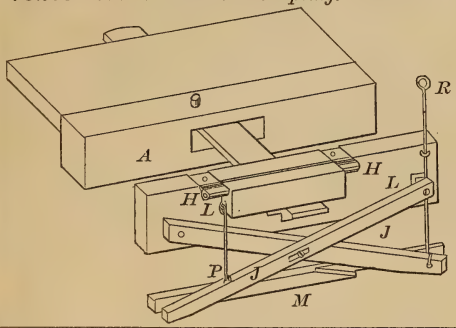
70276—T. Shipton—*Heater.*



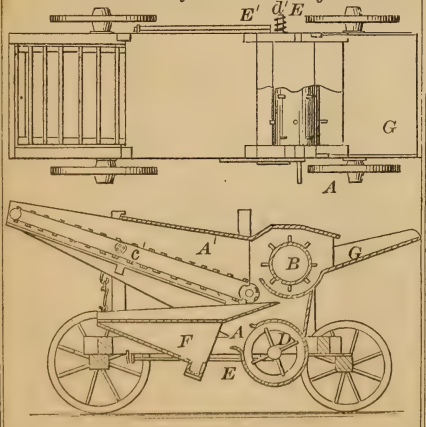
70278—H. K. Smith—*Sleigh Bell.*



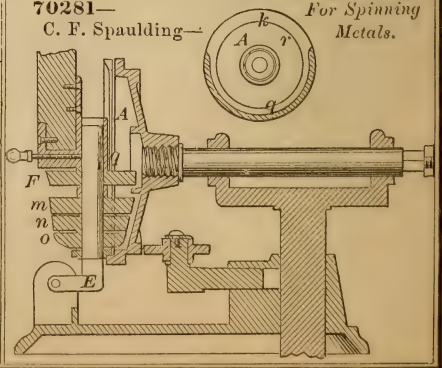
70279—J. L. Smith—*Car Coupling.*



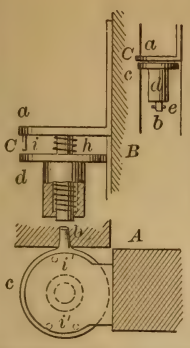
70280—C. L. Snyder—*Threshing Machine.*



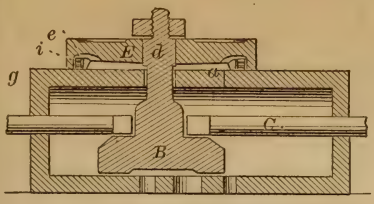
70281—C. F. Spaulding—*For Spinning Metals.*



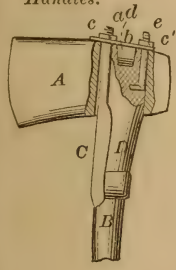
70282—N. B. Spooner—*Hinge and Fastener.*



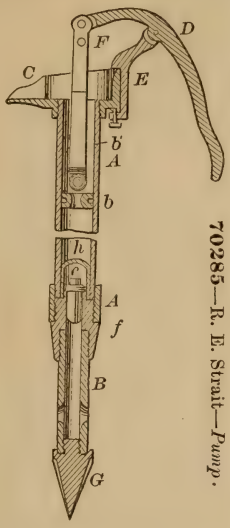
70283—A. Staley—*Slide Valve.*



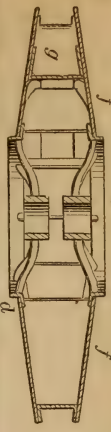
70284—J. Stewart—*Attaching Axes to Handles.*



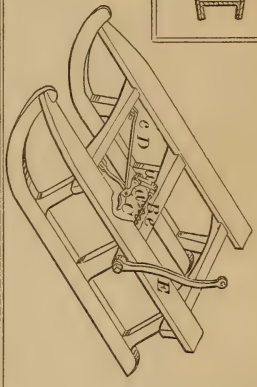
70285—R. E. Strait—*Pump.*



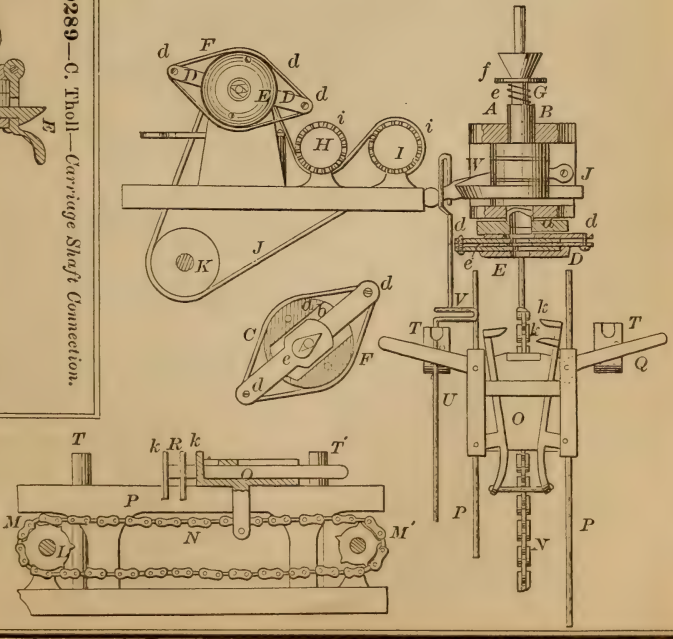
70286—B. F. Sturtevant—*Blower Wheel.*



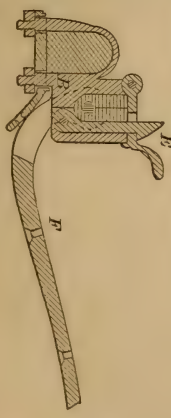
70287—S. K. Sutton—*Sled Brake.*



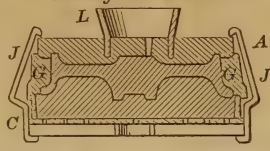
70288—J. Swan—*For Stripping Willow.*



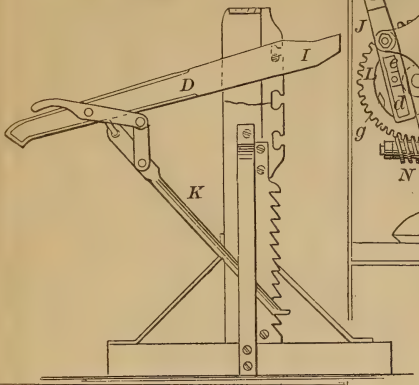
70289—C. Tholl—*Carriage Shaft Connection.*



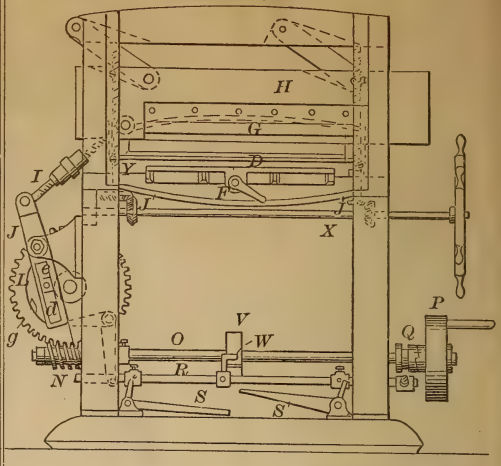
70290—W. R. Thomas—*Flask for Casting Car Wheels.*



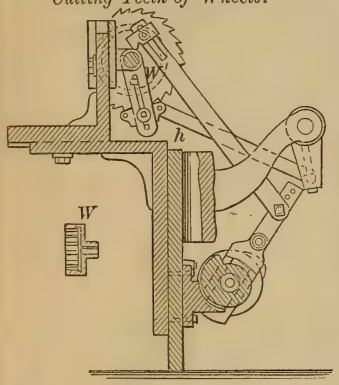
70291—W. H. Trusty—*Wagon Jack.*



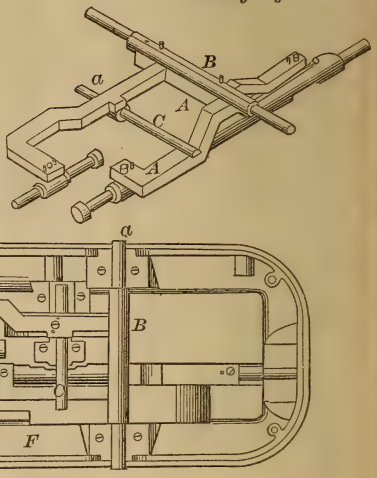
70292—S. D. Tucker—*For Cutting Paper, Pasteboard, &c.*



70293—J. Underwood—*For Cutting Teeth of Wheels.*



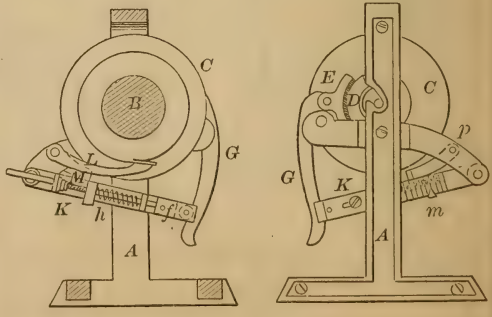
70294—J. Underwood—*Babbiting and Drilling Jig.*



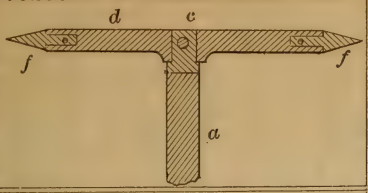
70295—J. D. Van Benthuysen—*Bale Tie.*

70296—J. Van Pelt—*Hull for Vessels.*

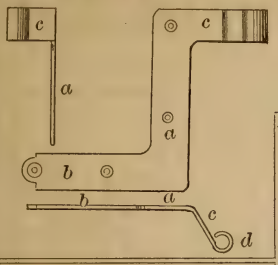
70297—R. Walker—*Let-off Motion for Looms.*



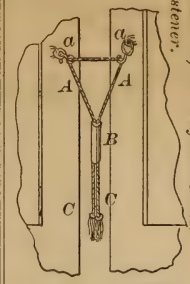
70298—S. H. Wallace—*Miners' Pick*



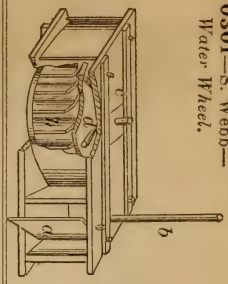
70299—B. D. Washburn—*Hinge.*



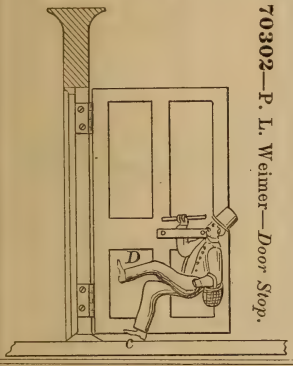
70300—W. H. Wayne—*Shutter Fastener.*



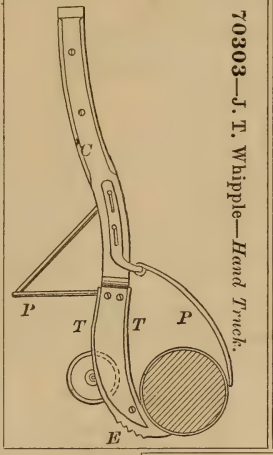
70301—S. Webb—*Water Wheel.*



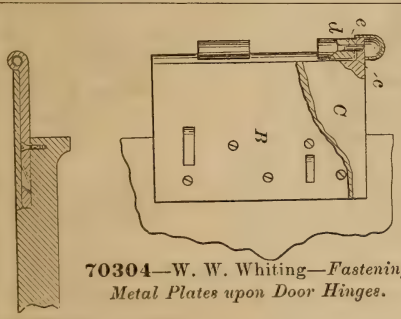
70302—P. L. Weimer—*Door Stop.*



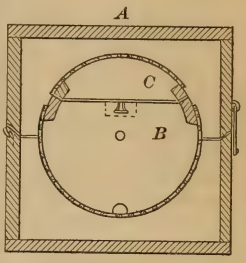
70303—J. T. Whipple—*Hand Truck.*



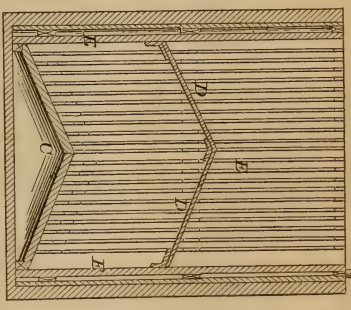
70304—W. W. Whiting—*Fastening Metal Plates upon Door Hinges.*



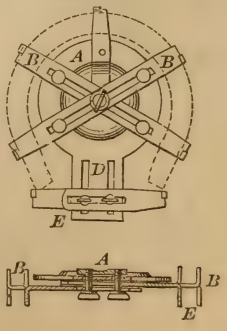
70305—G. Whittle—*Coal Screen.*



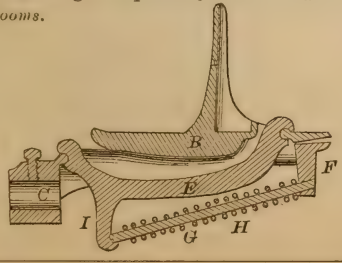
70306—L. C. Williams—*Vat for Tanning.*



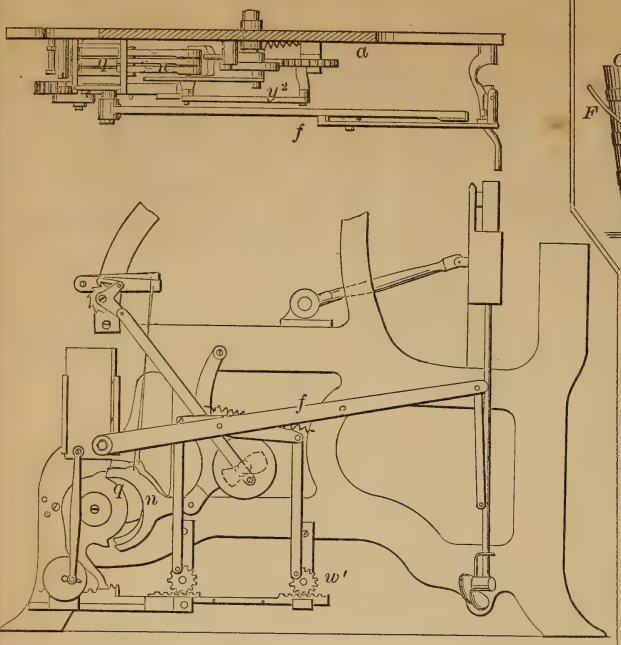
70307—M. S. Woodward—*For Measuring Horses' Feet.*



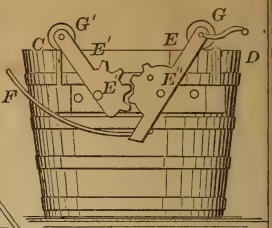
70308—E. Wright—*Operating Picker-Staff for for Looms.*



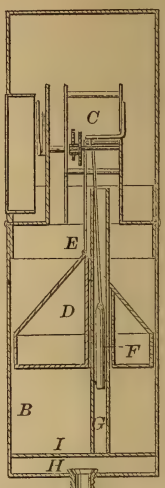
70309—H. Wyman—*Loom.*



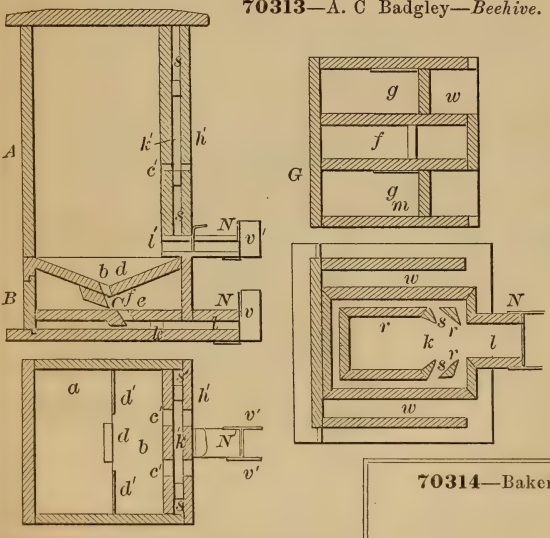
70310—J. Adams—*Mop Wringer.*



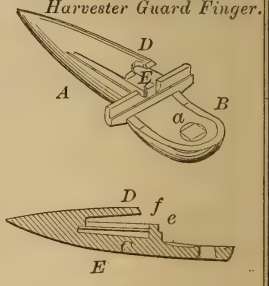
70312—I. R. Ansden—*Hydrostatic Scale.*



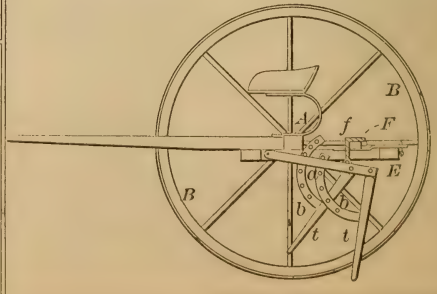
70313—A. C Badgley—*Beehive.*



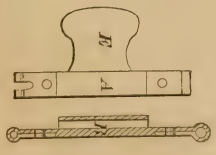
70311—Allen & Ross—*Harvester Guard Finger.*



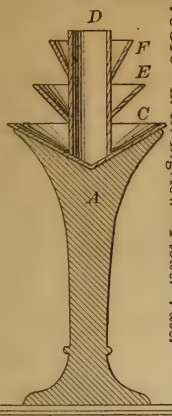
70314—Baker & Hoyt—*Wheeled Harrow.*



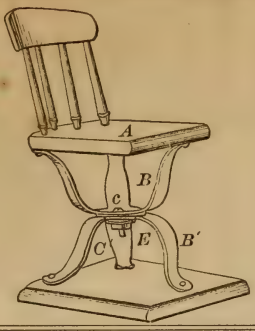
70315—J. C. Baxter—*Check Piece for Bridles.*



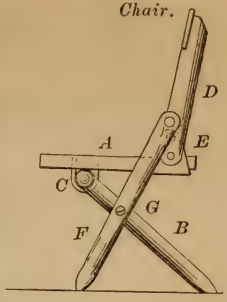
70316—L. H. Bigelow—*Flower Vase.*



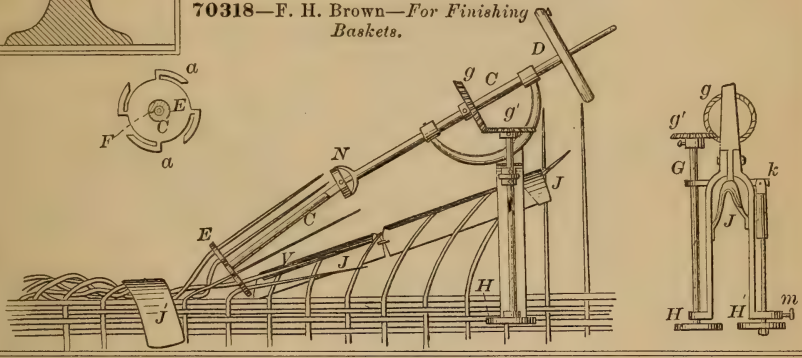
70319—S. C. Brown—*Chair.*



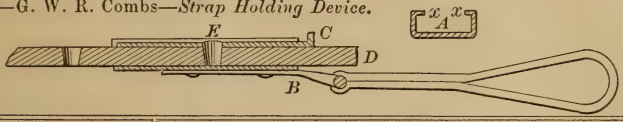
70323—I. N. Dann—*Folding Chair.*



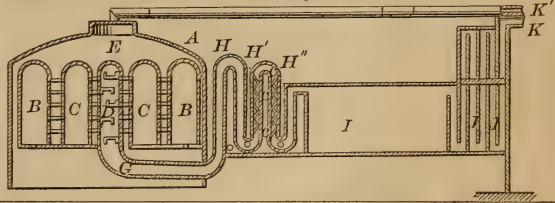
70318—F. H. Brown—*For Finishing Baskets.*



70320—G. W. R. Combs—*Strap Holding Device.*



70321—J. C. Coult—*For Reducing Quicksilver Ores.*



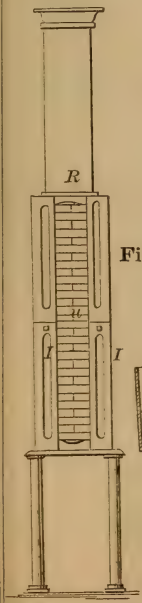


Fig. 1

70322—S. Cuddick—*Puddling and Heating Furnace.*

Fig. 2

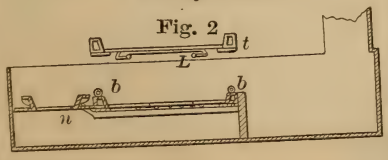
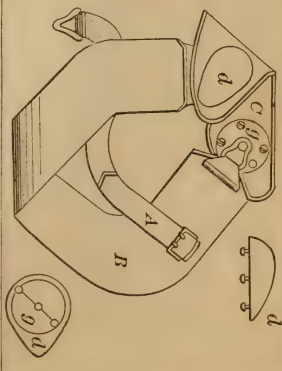
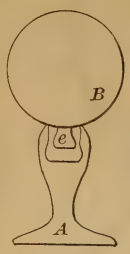


Fig. 12

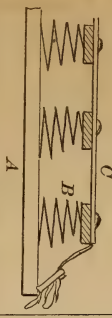
70324—S. Dike—*Truss and Supporter.*



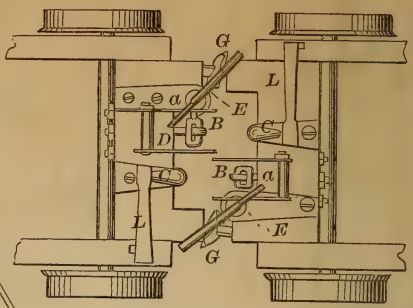
70325—E. Dithridge—*Silvered Glass Ware Manufacture.*



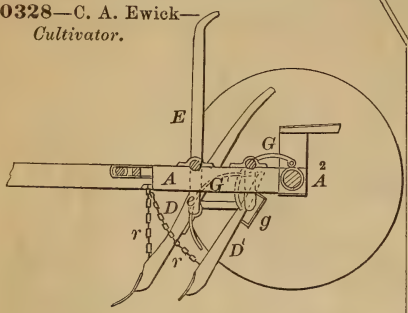
70330—Flanders & Wells—*Bed Bottom.*



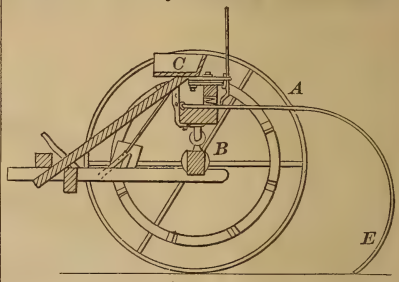
70326—J. Ebee—*Car Coupling.*

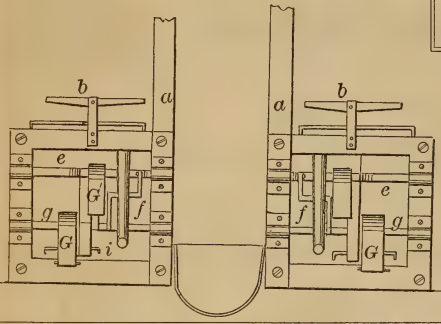


70328—C. A. Ewick—*Cultivator.*

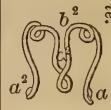


70327—Eberly & Hauck—*Horse Rake.*

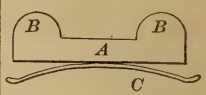




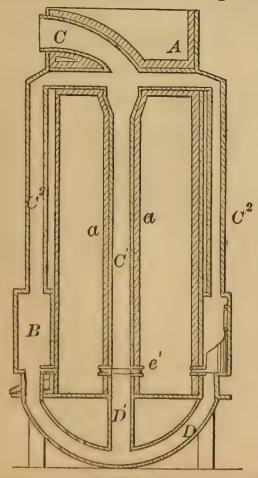
70331—F. D. Ford—*Neck Tie.*



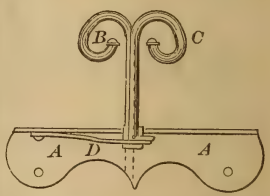
70333—J. Hale—*Door Holder.*



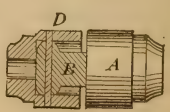
70329—H. Fayette—*Cupola, Blast and Smelting Furnace.*



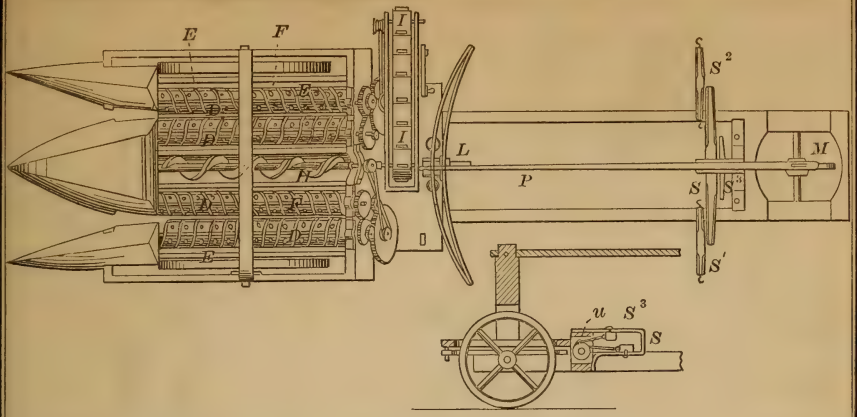
70332—G. W. Fosdick—*Rein Holder.*



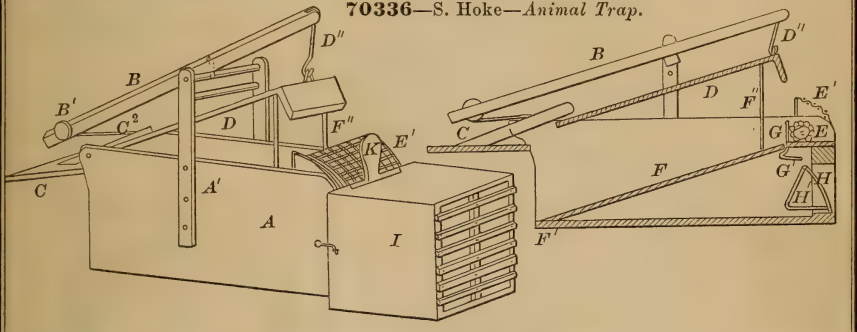
70334—W. P. Haskins—*Ball and Socket Joint.*



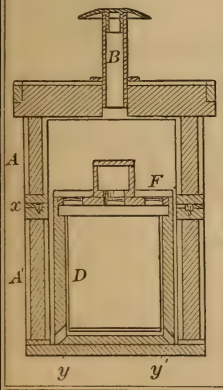
70335—Hill & Harpham—*Corn Harvester.*



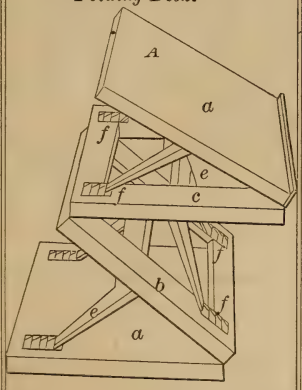
70336—S. Hoke—*Animal Trap.*



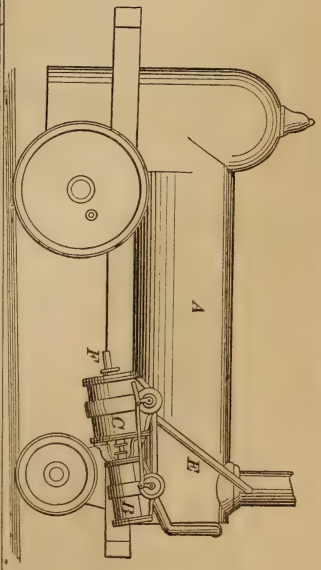
70338—R. Jones—*Beehive.*



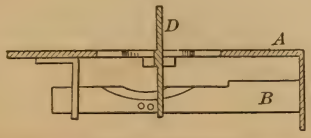
70339—T. W. Kreitz—*Folding Desk.*



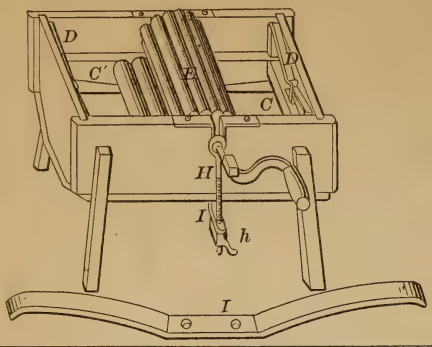
70341—J. L. Lay—*Locomotive.*



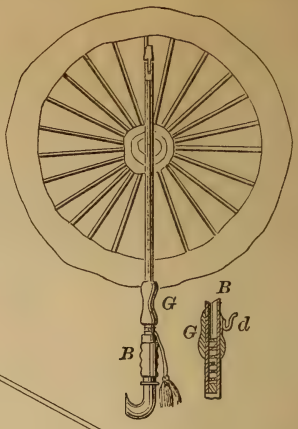
70340—C. E. Lattin—*Flush Bolt.*



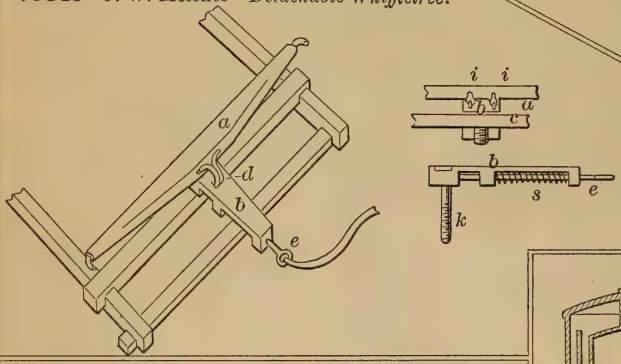
70343—E. W. Lowe—*Washing Machine.*



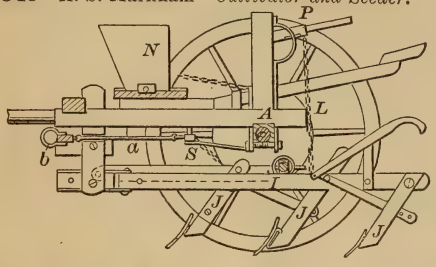
70344—G. Mallory—*Fan and Parasol.*



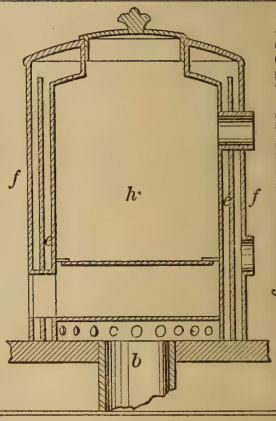
70348—J. W. Melcher—*Detachable Whiffletree.*



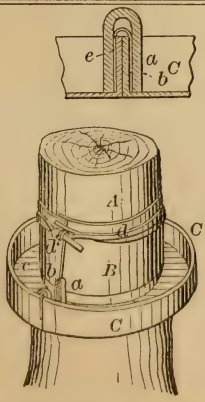
70345—A. S. Markham—*Cultivator and Seeder.*



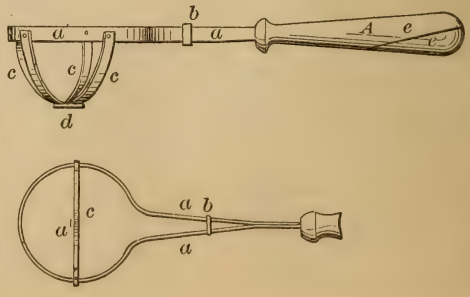
70347—M. Mead—*Radiating Furnace.*



70349—D. Mendenhall—*Tree Protector.*



70350—J. Nathan—*Egg Holder.*



70351—J. Newhart—*Plow Clevis,*

Fig. 1

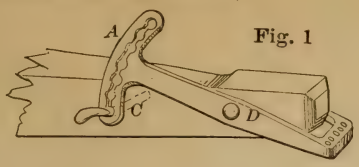


Fig. 2

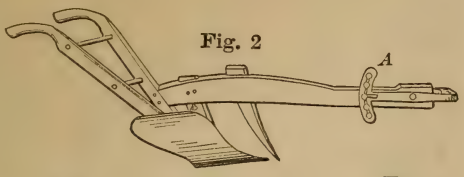


Fig. 3

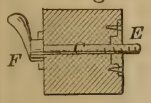
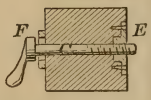
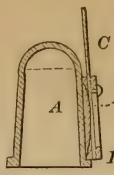


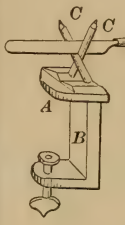
Fig. 4



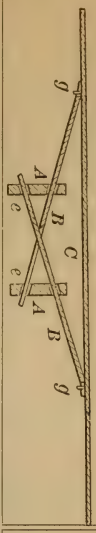
70353—H. D. Peck—*Thimble.*



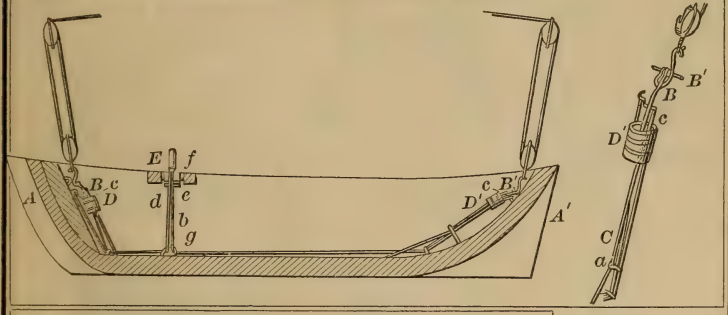
70360—J. C. Reynolds—*Knife Sharpener.*



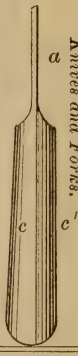
70355—M. Pierce—*Spring Bed Bottom.*



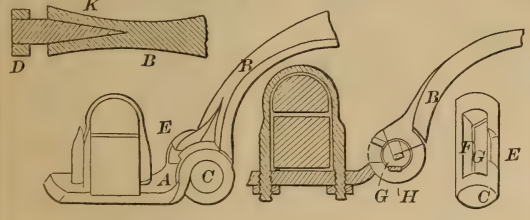
70354—Peterson & Gunner—*Boat Detaching Tackle.*



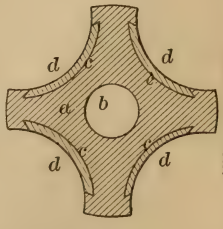
70350—J. H. Nichols—*Manufacturing Knives and Forks.*



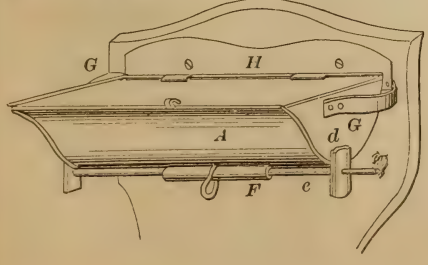
70357—T. D. Powers—*Wagon Shackle.*



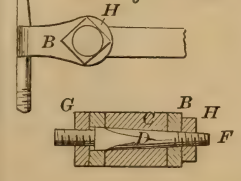
70356—Pinder & Robinson—*Car Axle Box.*



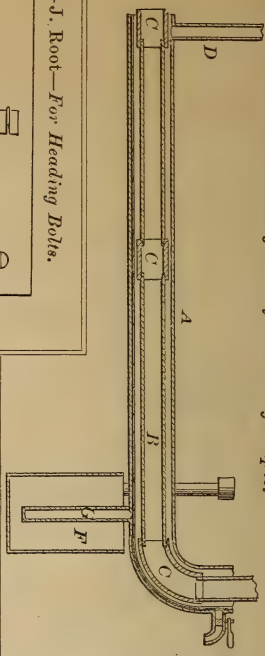
70362—A. Roesler—*Match Safe.*



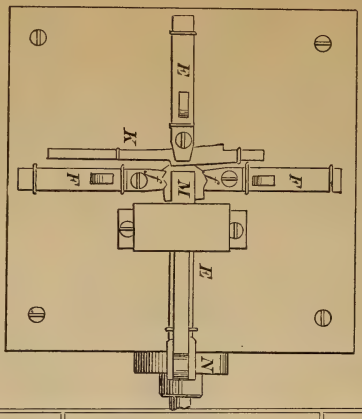
70358—J. E. Prudden—*Carriage Shackle.*

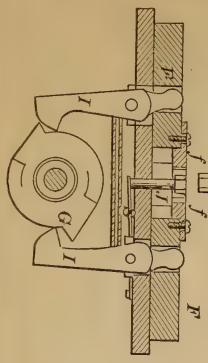


70365—J. F. Russell—*Facilitating Flow of Gas through Pipes.*

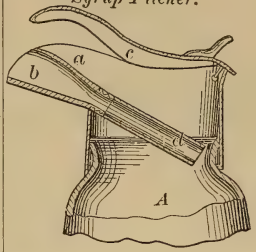


70363—J. Root—*For Heading Bolts.*

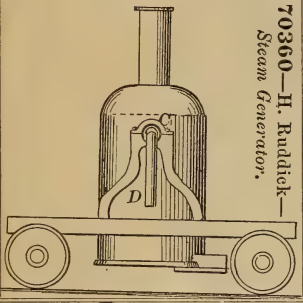




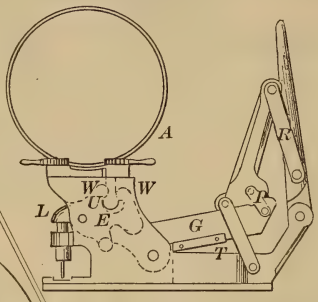
70367—D. Scanlin—*Syrup Pitcher.*



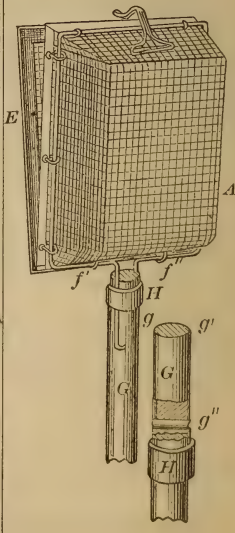
70360—H. Ruddick—*Steam Generator.*



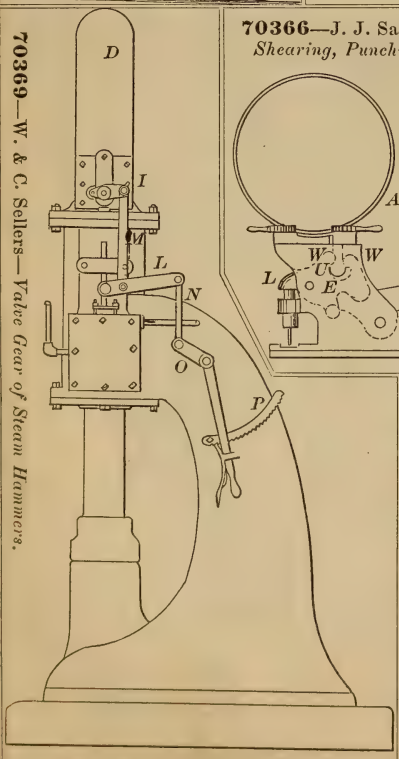
70366—J. J. Sandgren—*For Shearing, Punching and Upsetting.*



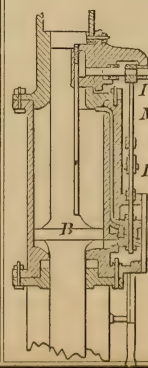
70368—C. H. S. Schultz—*Corn Popper.*



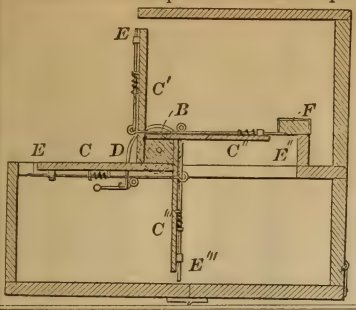
70369—W. & C. Sellers—*Valve Gear of Steam Hammers.*



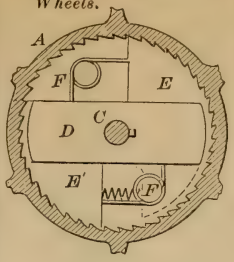
70369—W. & C. Sellers—*Valve Gear*



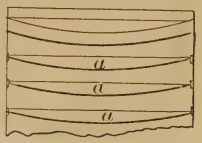
70370—R. Simpson—*Animal Trap.*



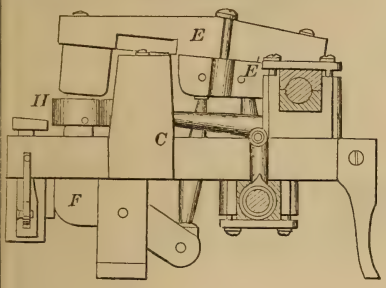
70371—W. W. Smith—*Ratchet for Driving Wheels.*

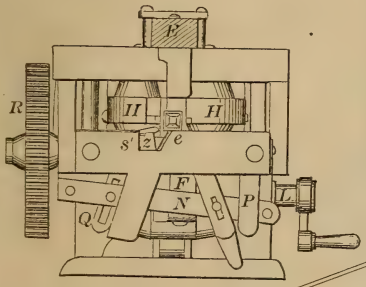


70372—H. D. Snyder—*Safety Pocket.*

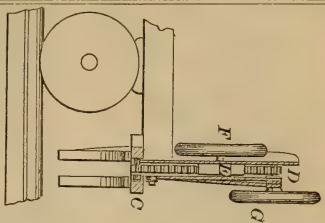


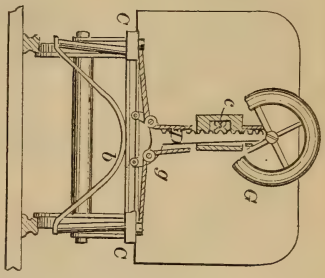
70374—A. St. Louis—*Horse Shoe Nail Machine.*



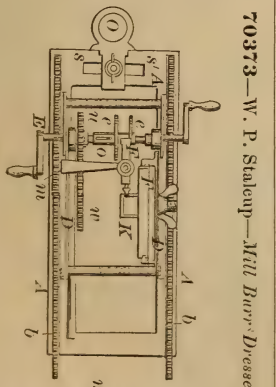


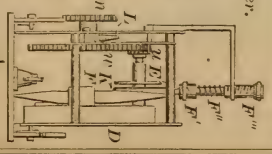
70375—L. Straus—*Car Replacer.*

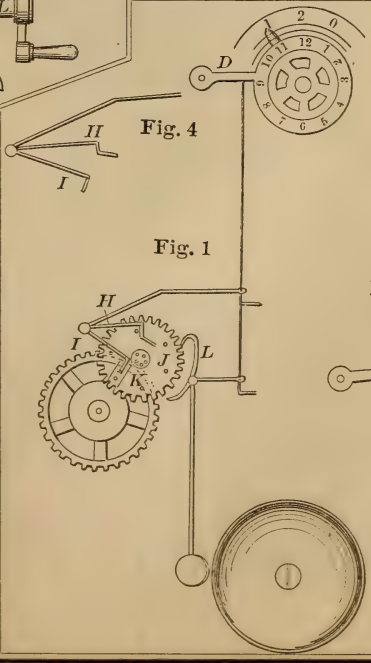




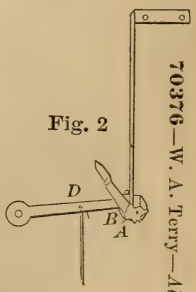
70373—W. P. Staley—*Mill Burr Dresser.*



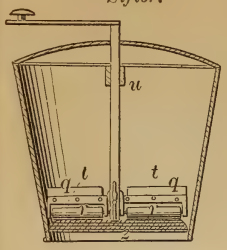




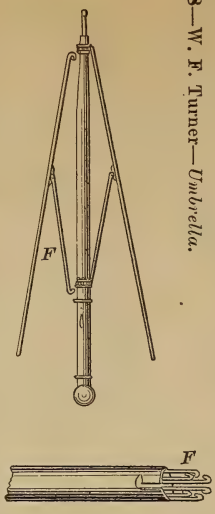
70376—W. A. Terry—*Alarm Clock.*



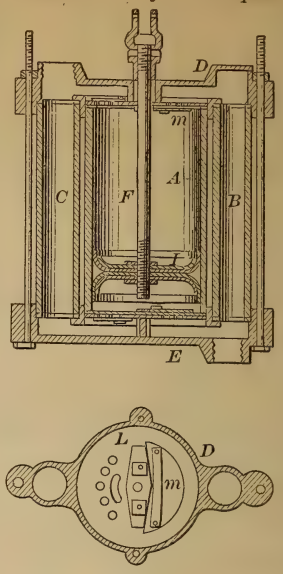
70377—J. Tobin—*Flour Sifter.*



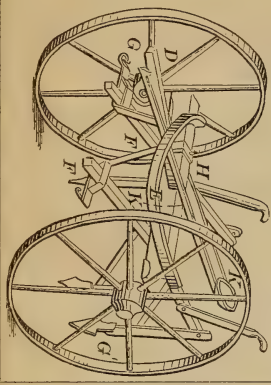
70378—W. F. Turner—*Umbrella.*



70379—H. Tyler—*Pump.*

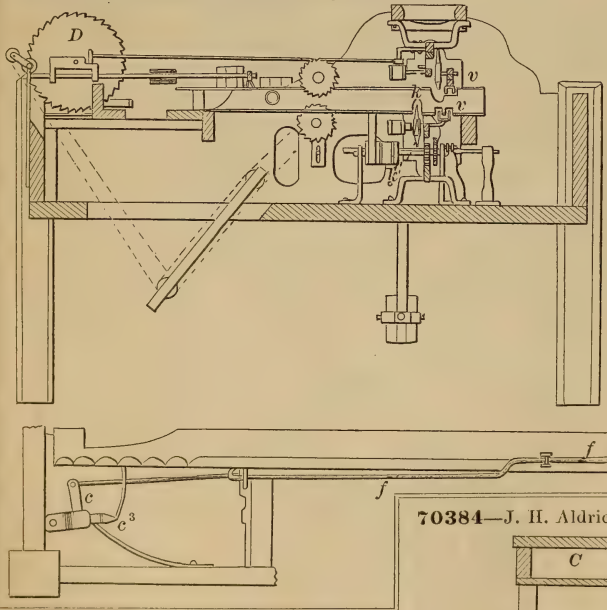


70381—Walker & Weed—*Cultivator.*

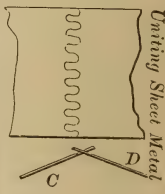


70380—S. Vanstone—*Connecting Link for Chains.*

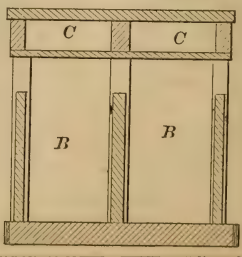
70382—F. W. White—*For Making Blind Slats.*



70383—S. R. Wilmot—*Uniting Sheet Metal*

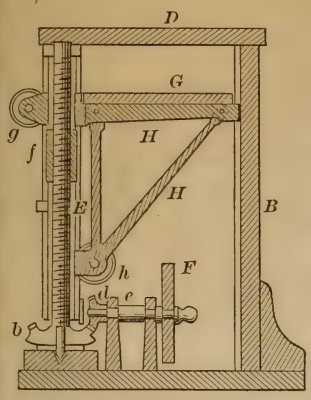


70384—J. H. Aldrich—*Railroad Freight Car.*

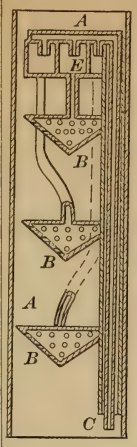


70385—J. M. Alexander—*Tobacco Smoking Tube.*

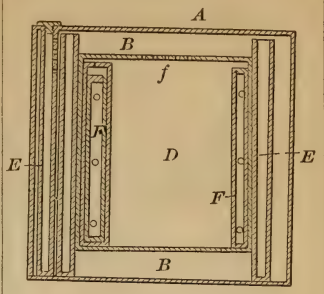
70387—E. H. Ashcroft—*Elevator.*



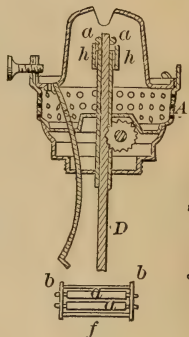
70389—E. H. Ashcroft—*Condenser.*



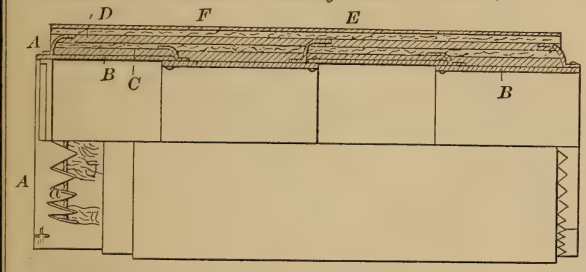
70390—E. H. Ashcroft—*Safe.*



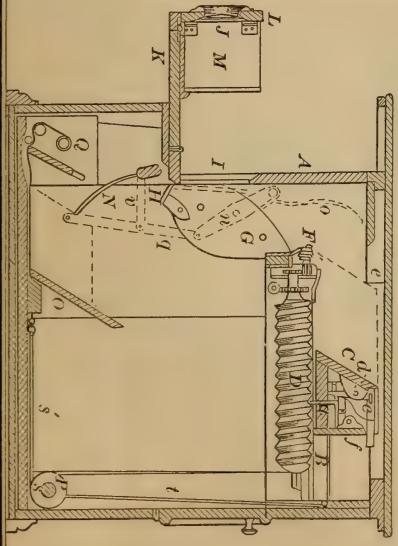
70392—W. P. Bennett—*Lamp Extinguisher.*



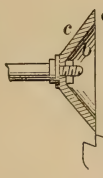
70388—E. H. Ashcroft—*Covering Steam Generators.*



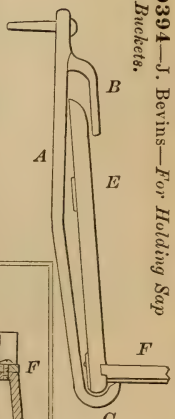
70391—G. Beigel—*Stereoscopic Apparatus.*



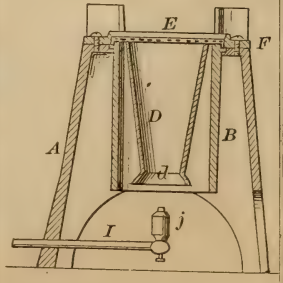
70393—G. L. Benton—*Emory Wheel for Grinding Saws.*



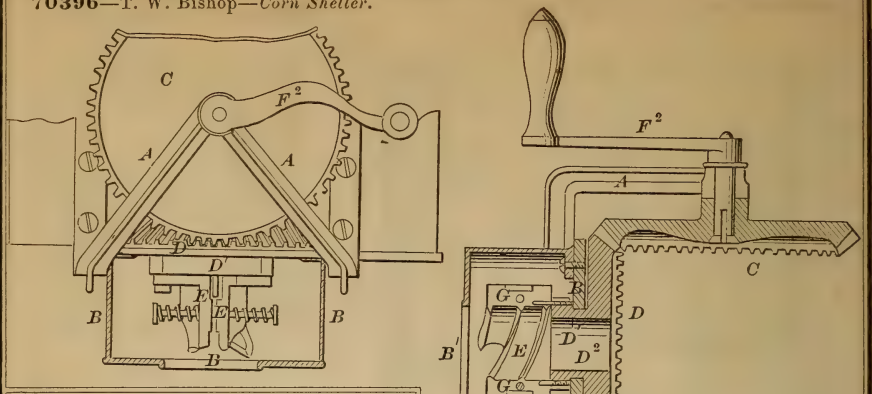
70394—J. Bevins—*For Holding Sop Buckets.*



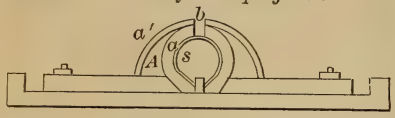
70395—J. Q. Birkey—*Gas Stove.*



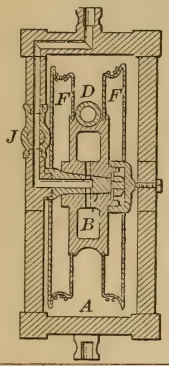
70396—T. W. Bishop—*Corn Sheller.*



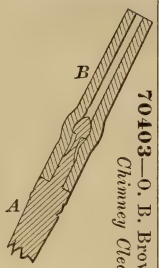
70397—M. Blakey—*Skelping Die.*



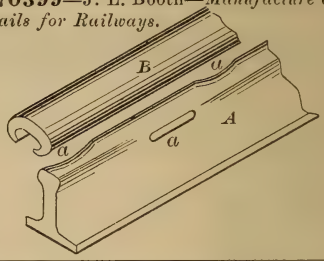
70398—A. Bliss—*Chandelier Attachment.*



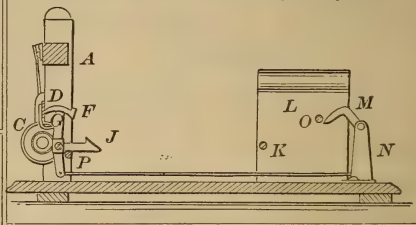
70403—O. B. Brown—*Lamp Chimney Cleaner.*



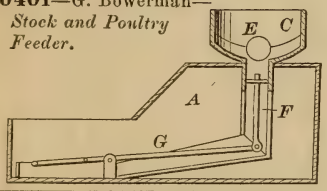
70399—J. L. Booth—*Manufacture of Rails for Railways.*



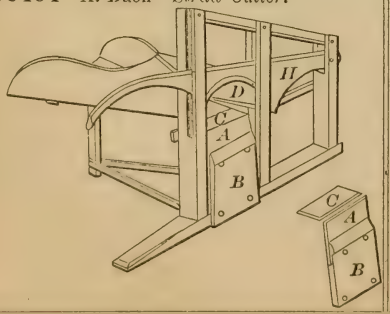
70402—H. D. Briggs—*Spinning Jack.*



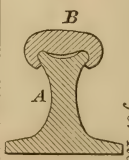
70401—G. Bowerman—*Stock and Poultry Feeder.*



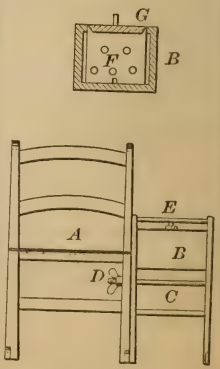
70404—A. Buch—*Straw Cutter.*



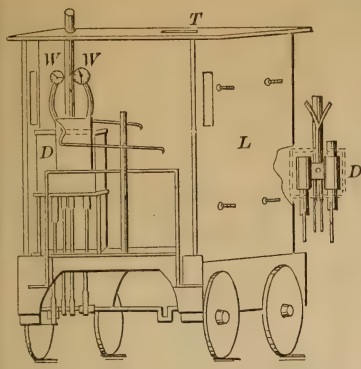
70400—J. L. Booth—*Manufacture of Rails for Railways.*



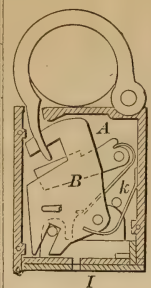
70406—Byrns & Stannard—*Churn.*



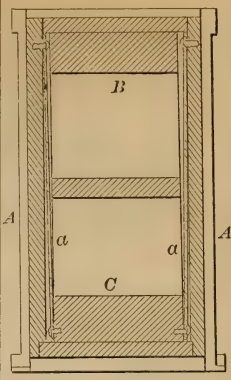
70407—C. W. Cahoon—*Steam Engine.*



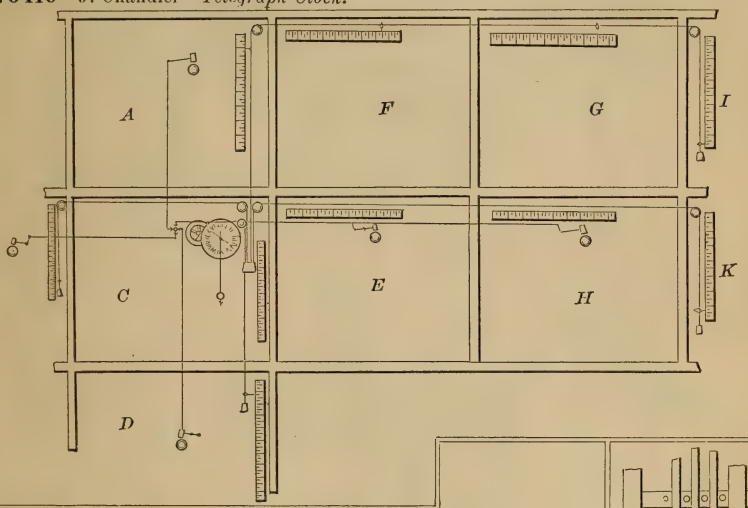
70409—J. L. Chambers—*Register Padlock.*



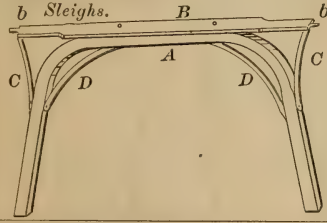
70411—S. A. Chase—*Elastic Sash Elevator.*



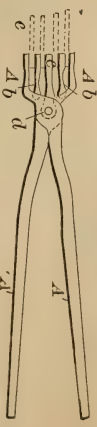
70410—J. Chandler—*Telegraph Clock.*



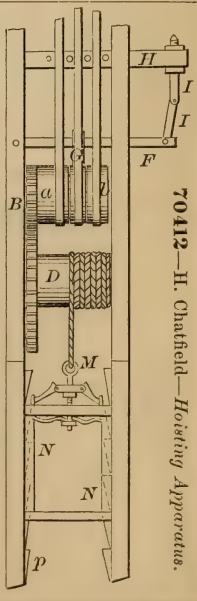
70408—D. O. Card—*Knee and Beam for Sleighs.*



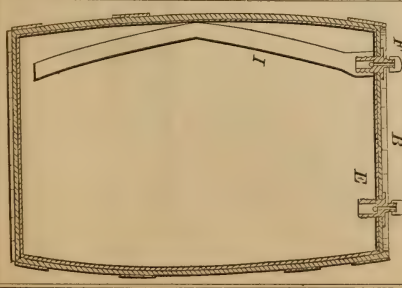
70413—S. Collinson—*Tongs.*



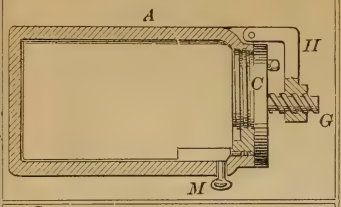
70412—H. Chatfield—*Hoisting Apparatus.*



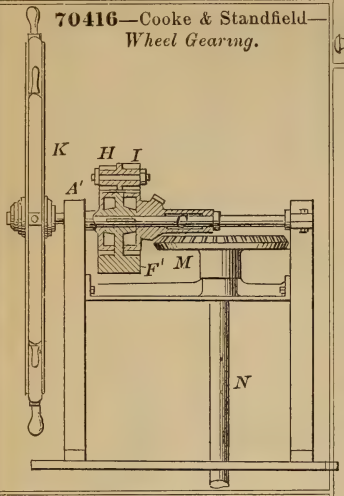
70414—T. R. Cook—*Lining Barrels with Sheet Metal*



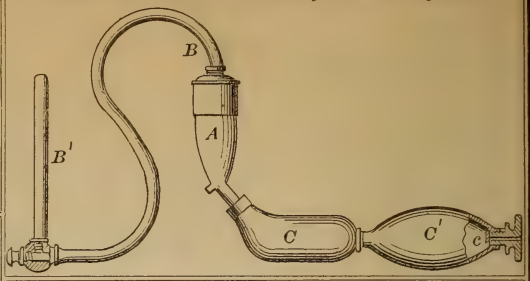
70415—T. Cook—*Fireproof Safe.*



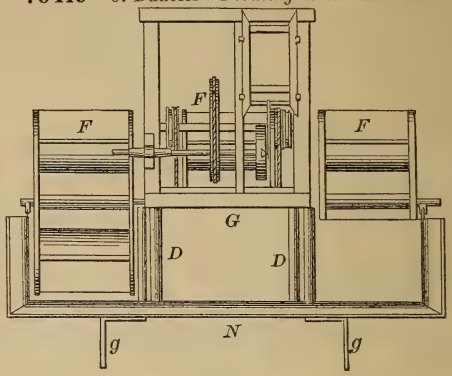
70416—Cooke & Standfield—*Wheel Gearing.*

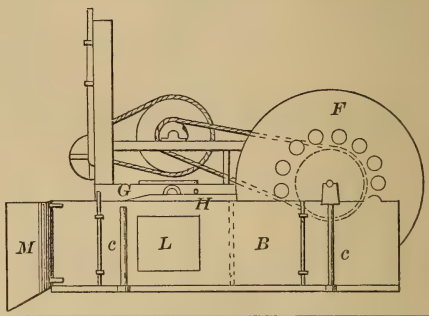


70418—M. Crohn—*Veterinary Narcotic Injector.*

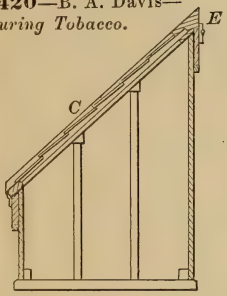


70419—C. Daniels—*Floating Water Power.*

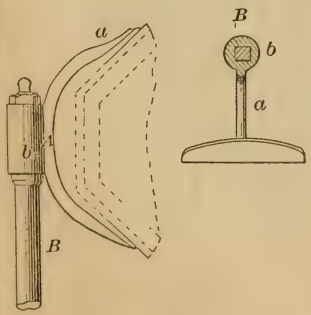




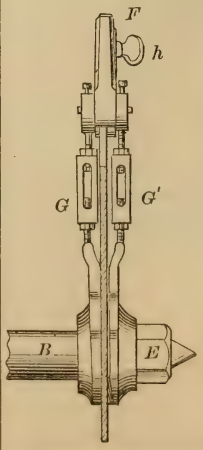
70420—B. A. Davis—*Curing Tobacco.*



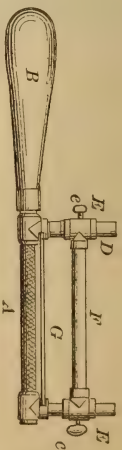
70422—M. De Voursney—*Fastening for Coach Lamps.*



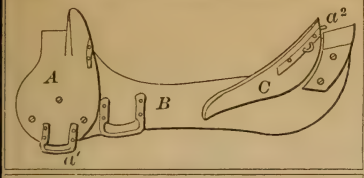
70423—H. Disston—*For Setting Saw Teeth.*



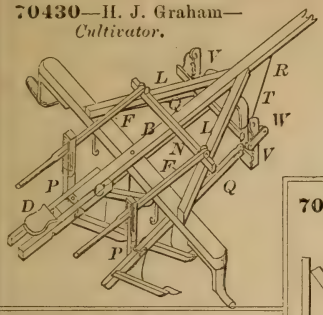
70424—H. Disston—*For Sharpening Saw Teeth.*



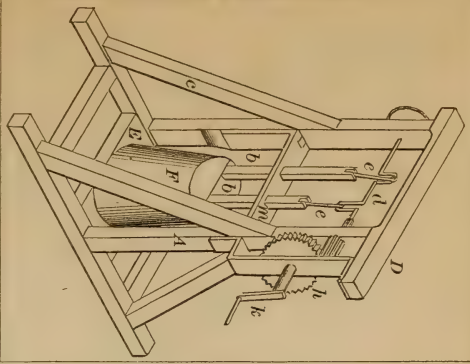
70425—D. A. Dixon—*Saddle Tree.*



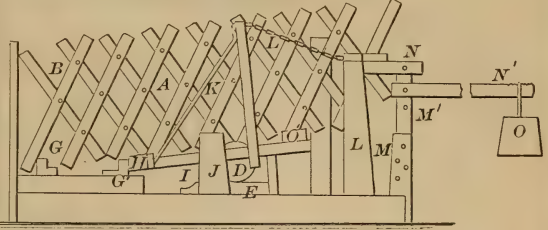
70430—H. J. Graham—*Cultivator.*



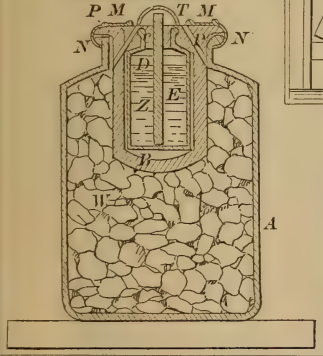
70431—Gruver & Wiggins—*Churn.*



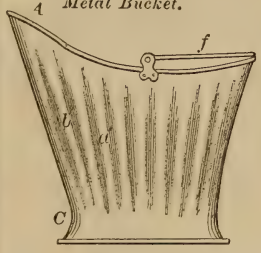
70429—A. Freeman—*Cattle Guard Gate.*



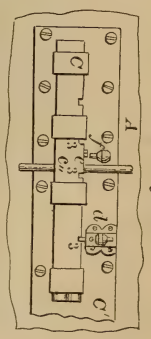
70426—Elmer & Hubert—*Ozone Generator.*



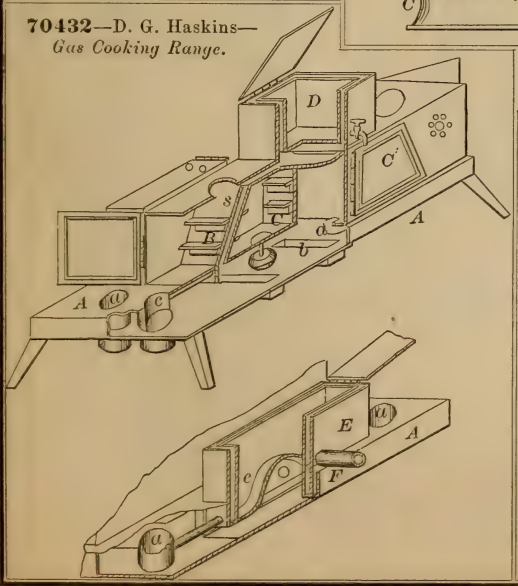
70427—J. Fallows—*Sheet Metal Bucket.*



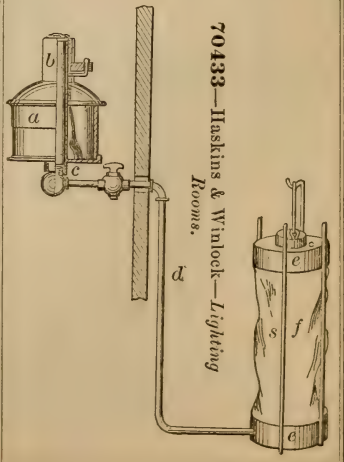
70428—W. H. Fitzgerald—*Shutter Bowing Bolt.*



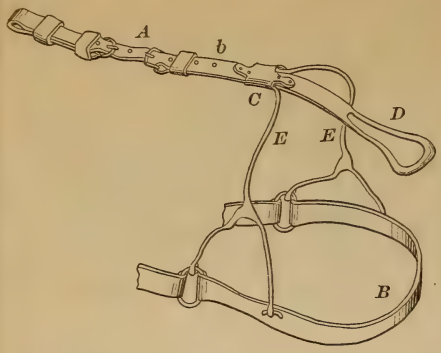
70432—D. G. Haskins—*Gas Cooking Range.*



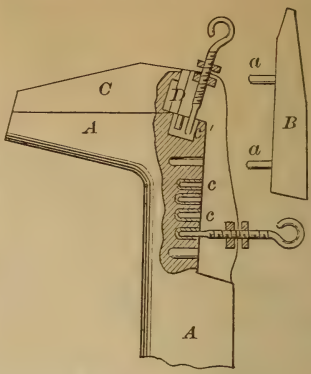
70433—Haskins & Winlock—*Lighting Rooms.*



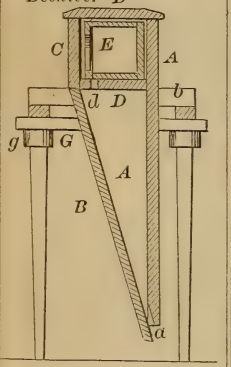
70434—N. T. Healy—*Harness.*



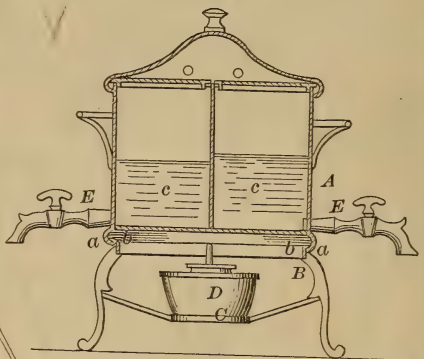
70440—Kali & Andrews—*Boot Crimp.*



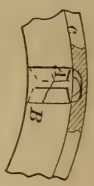
70436—J. Hiestand—*Beehive.* *D'*



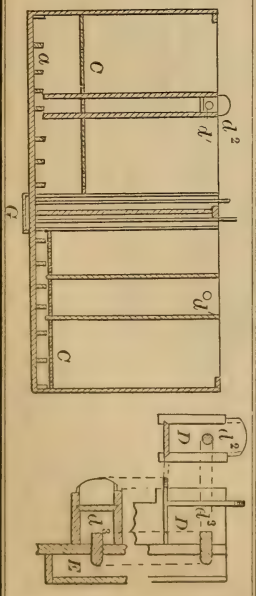
70441—E. Kaufmann—*Table Urn.*



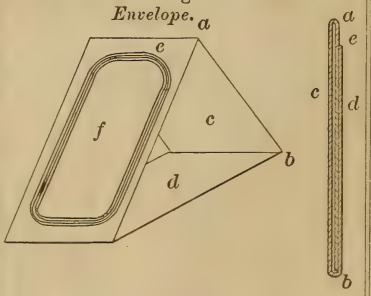
70438—H. & H. Inman—*Securing Ends of Fellocs.*



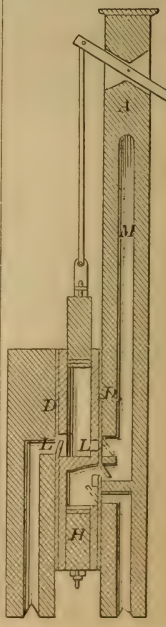
70439—J. W. Jones—*For Making Extracts from Bark.*



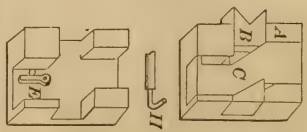
70442—C. A. Kihlgren—*Picture Envelope.*



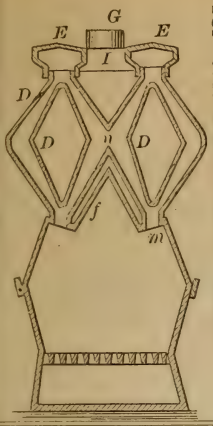
70443—J. T. Kimbel—*Pump.*



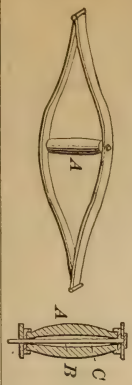
70444—G. B. Kirkham—*Window Fastening.*



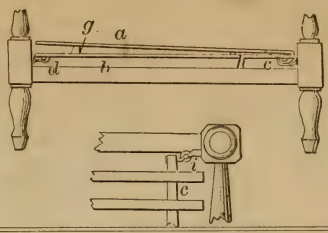
70445—J. A. Lawson—*Hot Air Furnace.*



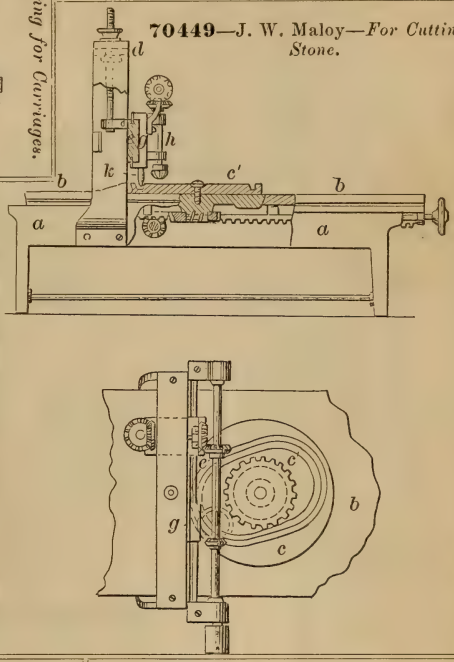
70446—T. Long—*Elastic Spring for Carriages.*



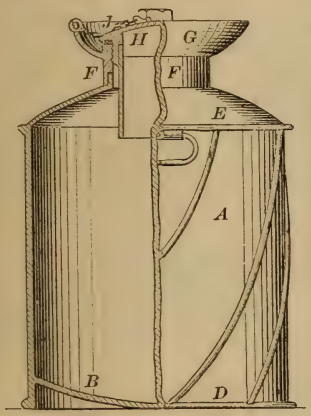
70448—J. I. Mabbett—*Bed Bottom.*



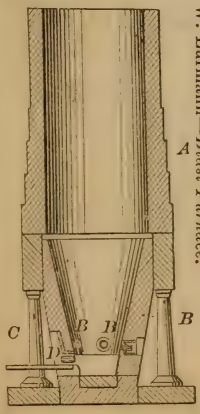
70449—J. W. Maloy—*For Cutting Stone.*



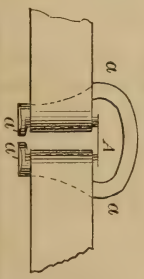
70450—McAvoy & Mills—*Milk Can.*



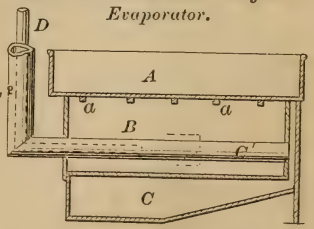
70447—F. W. Lurmann—*Blast Furnace.*



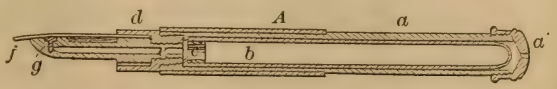
70452—H. B. Merritt—*Cotton Bale Tie.*



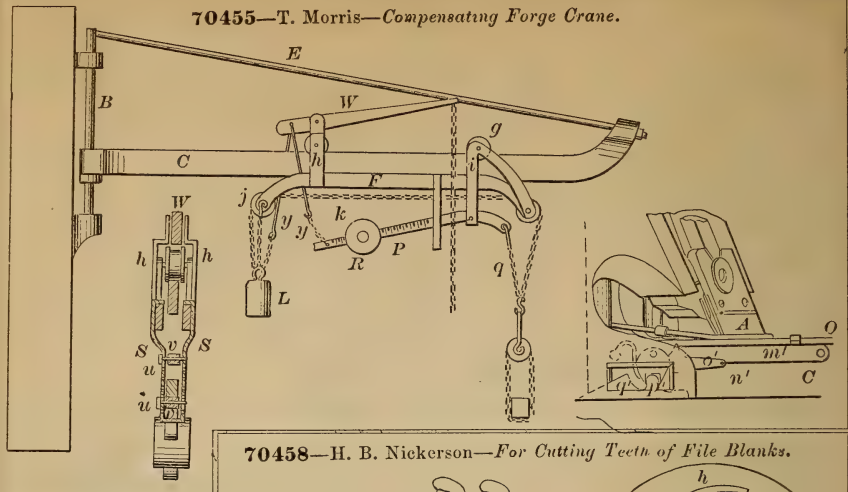
70451—S. McWorter—*Sorghum Evaporator.*



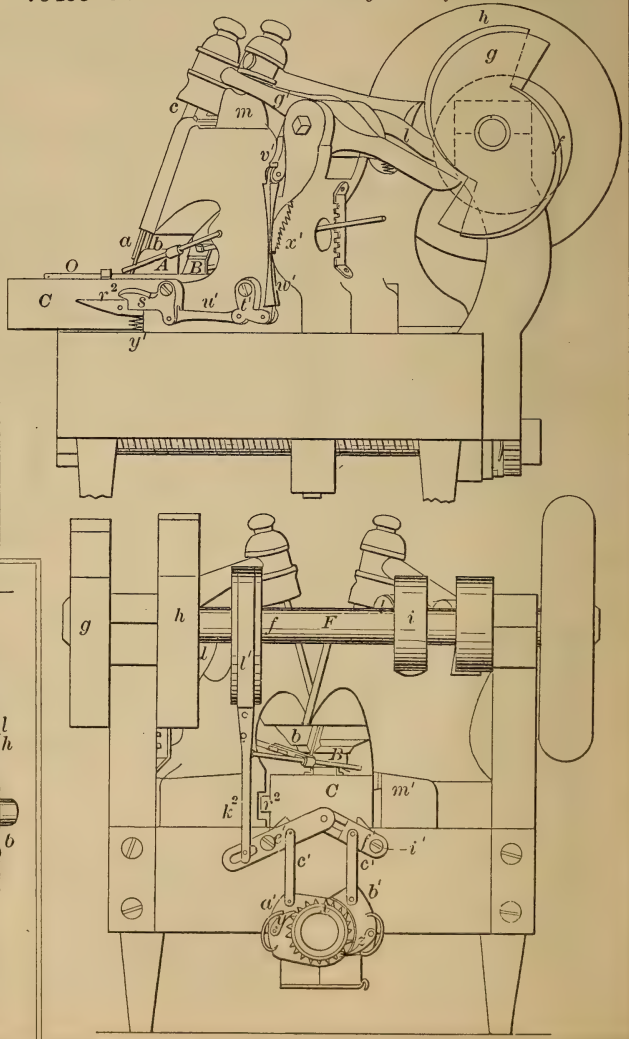
70453—G. R. Metten—*Fountain Pen.*



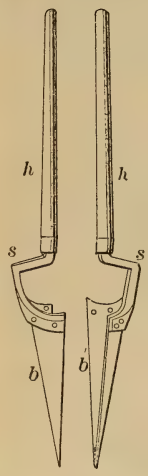
70455—T. Morris—*Compensating Forge Crane.*



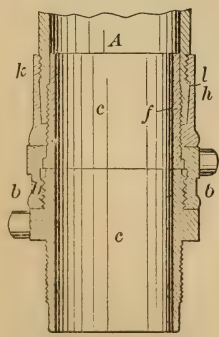
70458—H. B. Nickerson—*For Cutting Teeth of File Blanks.*



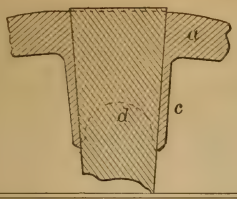
70457—E. G. Nichols—*For Transplanting Flowers.*



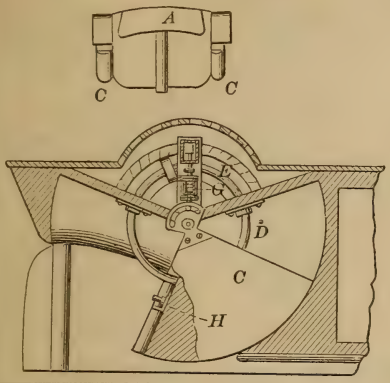
70456—A. J. Morse—*Hose Coupling.*



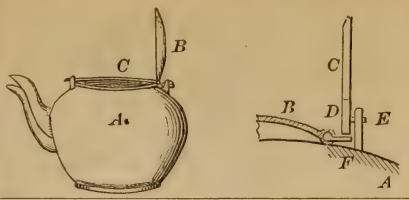
70459—G. Nimms—*Eye for Pickaxes.*



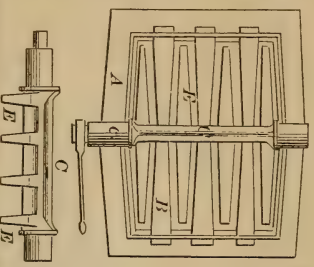
70460—C. M. O'Hara—*Propeller for Vessels.*



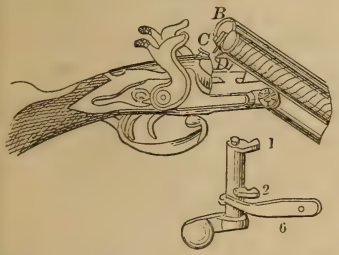
70461—W. W. Page—*Cover for Tea Kettles, &c.*



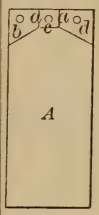
70462—P. A. Palmer—*Grate.*



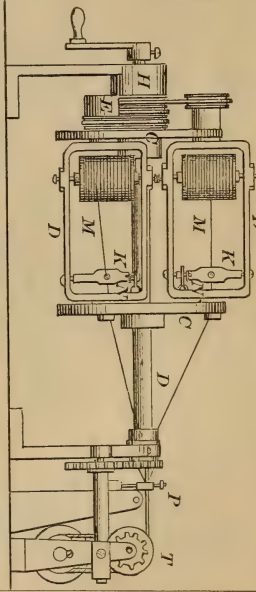
70463—W. R. Pape—*Breech-Loading Fire Arm.*



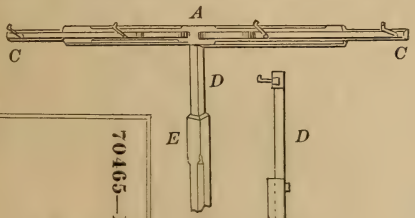
70464—R. Parks—*Tag.*



70466—H. Perkins—*Rope Making Machine.*

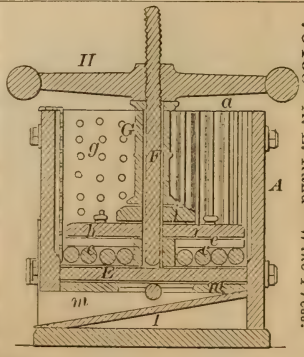


70467—W. F. Phelps—*For Suspending Maps.*

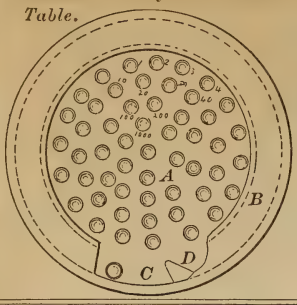


70465—E. Paulus—*Watch Key.*

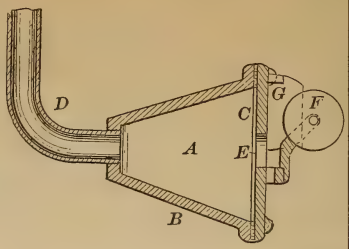
70468—A. L. Rand—*Wine Press.*



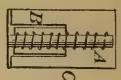
70469—L. Raymond—*Game Table.*

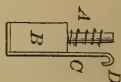


70471—A. R. & N. B. Reynolds—*Tempering Steel.*

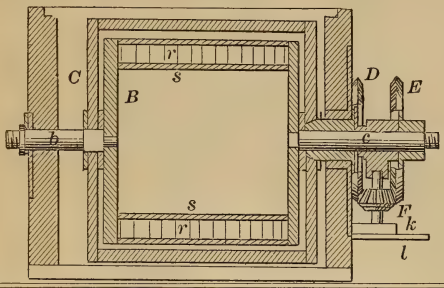


70475—W. Scott—*Carriage Seat Spring*





70470—T. Rettew—*Churn.*



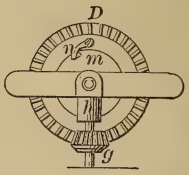
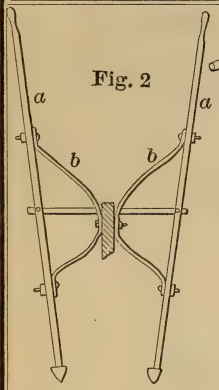
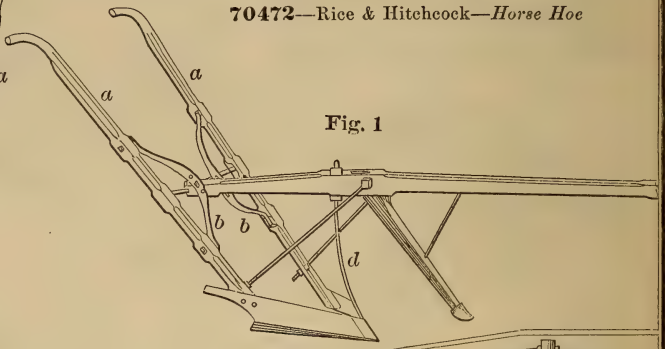


Fig. 2

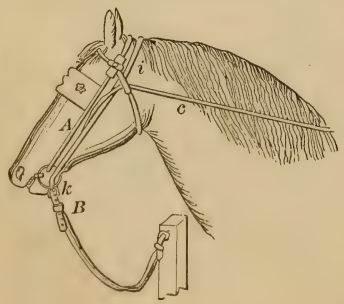


70472—Rice & Hitchcock—*Horse Hoe*

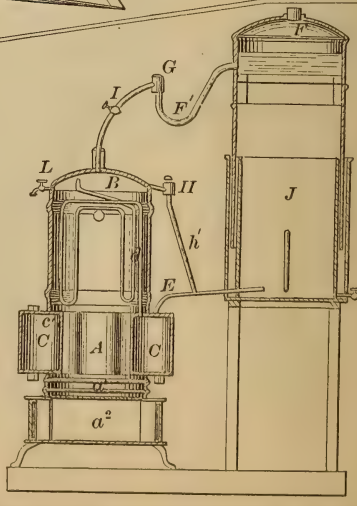
Fig. 1



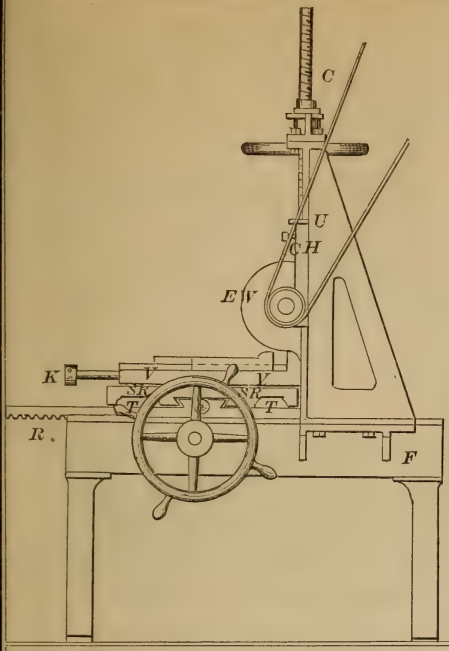
70473—A. J. Ross—*Hitching Strap.*



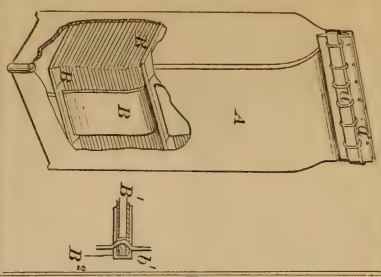
70477—W. M. Sloane—*Gas Generating Furnace.*



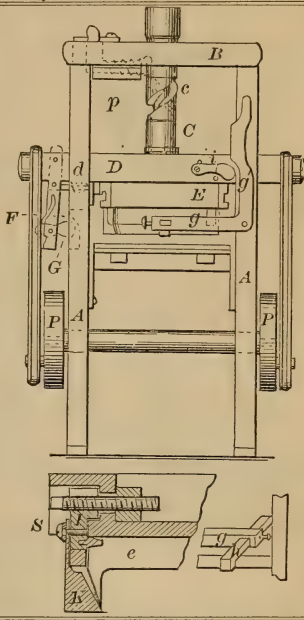
70479—J. H. Sternbergh—*Metal Planer.*



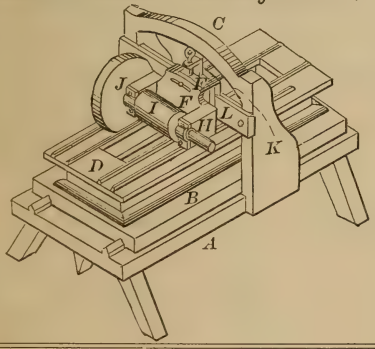
70480—Stevens & Knight—*Mail Bag.*



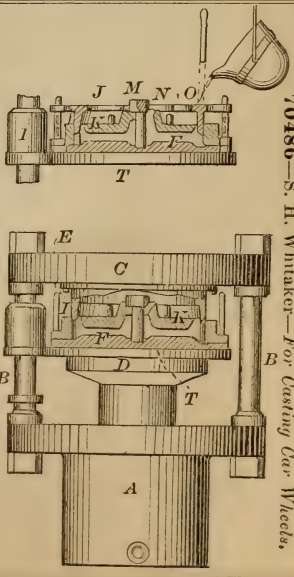
70481—E. M. Stevens—*For Cutting Boot and Shoe Soles.*



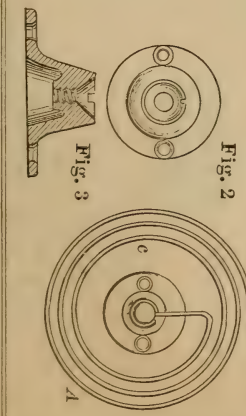
70483—A. Thomas—*Lathe Way Smoother.*



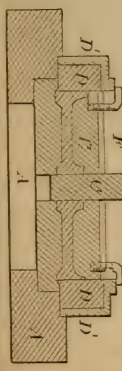
70486—S. H. Whitaker—*For Casting Car Wheels.*



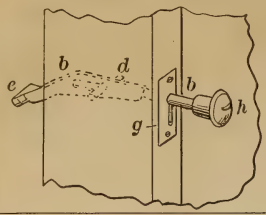
70484—H. C. Thompson—*Wire Bell for Clocks.*



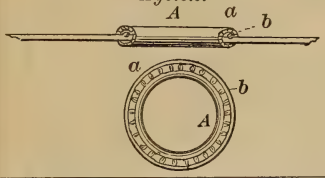
70482—J. B. Tarr—*Mould for Casting Car Wheels.*



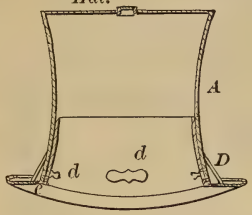
70487—C. F. Wickwire—*Window Sash Fastener.*



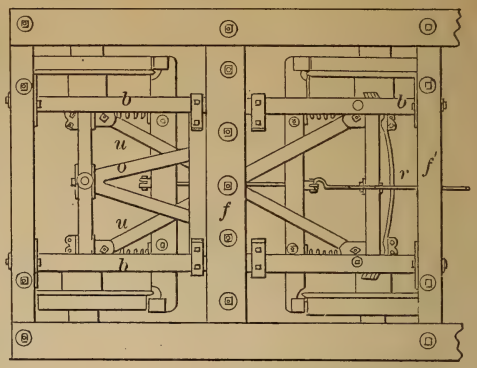
70488—W. W. Wilcox—*Fastening Eyelets.*

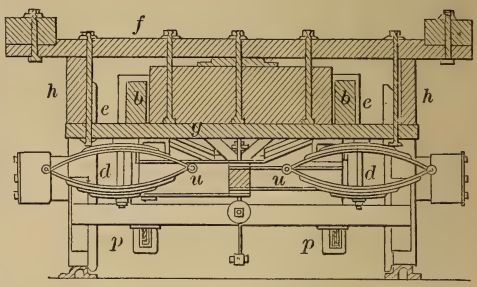


70493—Albright & De Lange—*Hat.*

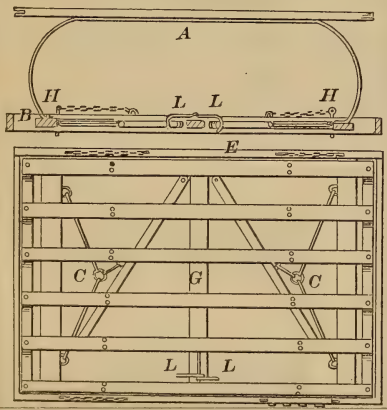


70492—W. Youmans—*Car Truck.*

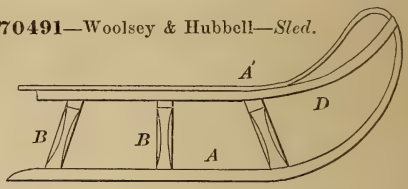




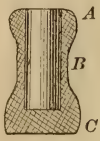
70489—H. W. Williams—*Bed Bottom.*



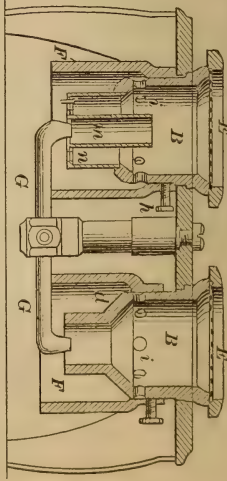
70491—Woolsey & Hubbell—*Sled.*



70490—E. S. Winchester—*Tip for Chair Legs.*



70494—C. E. Alden—*Gas Stove.*



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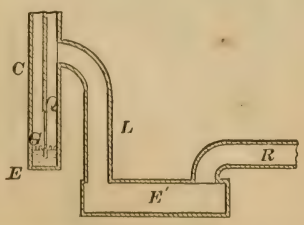
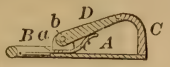
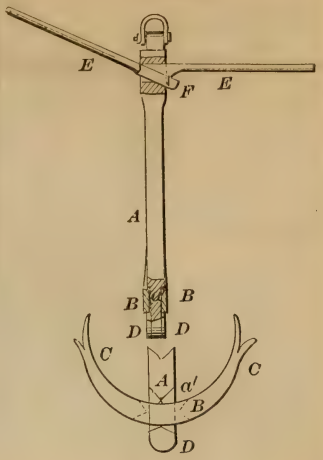


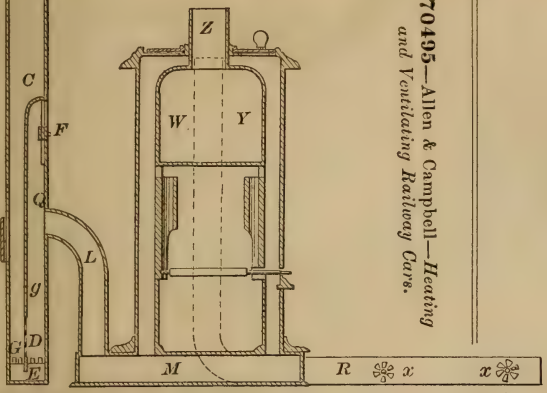
70499—C. H. Atwood—*Snap Hook.*



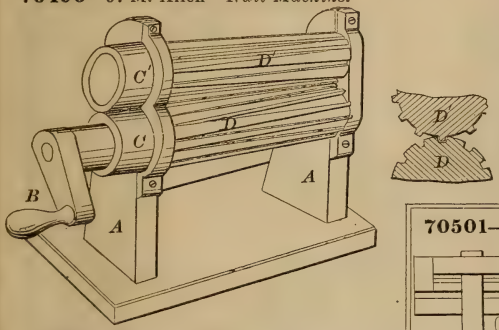
70498—Armstrong & Browne—*Anchor.*



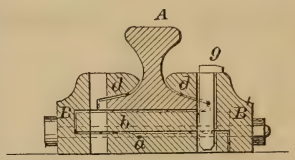
70495—Allen & Campbell—*Heating and Ventilating Railway Cars.*



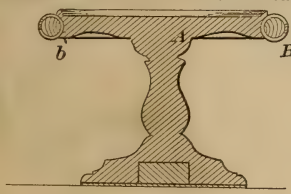
70496—J. M. Allen—*Nail Machine.*



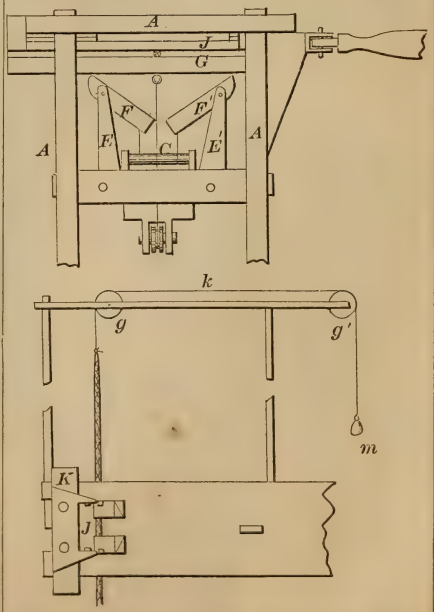
70497—P. Allen—*Railway Chair.*



70500—E. D. Averell—*Card Rack.*

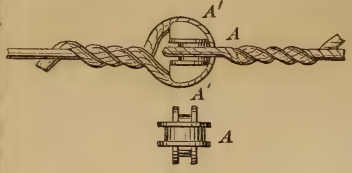


70501—H. Axtel—*Whip Rolling Machine.*

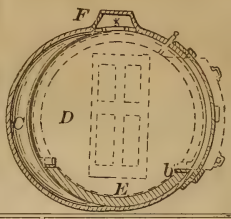


70502—T. J. Barnes—*Horse Yoke.*

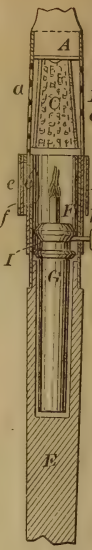
70503—J. W. Barnum—*Cotton Bale Tie.*



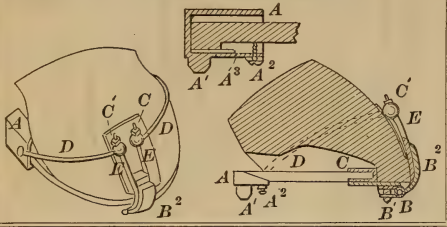
70504—A. E. Beach—*Pneumatic Railway.*



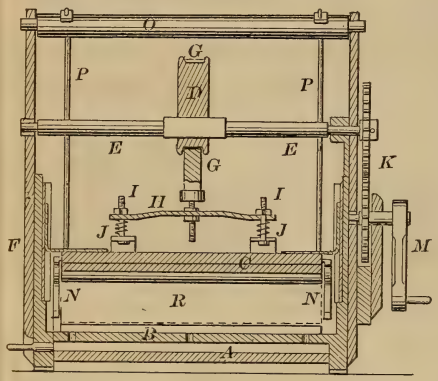
70506—H. Beebe—*Cane and Umbrella.*



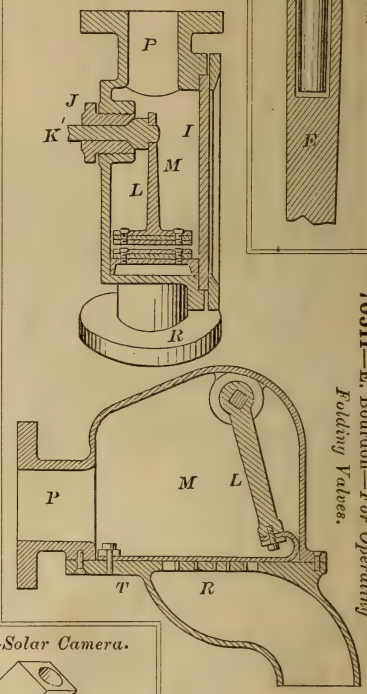
70507—W. J. Berne—*Horse Shoe Calk.*



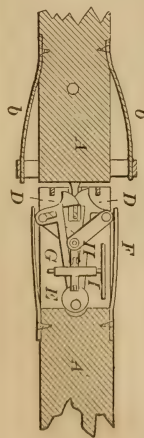
70508—J. Bevis—*Washing Machine.*



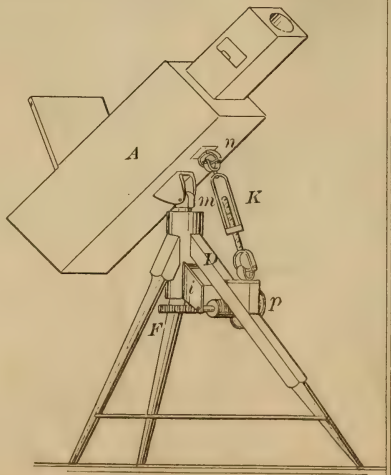
70511—E. Bourdon—*For Operating Folding Valves.*



70505—G. M. Beardsley—*Car Coupling.*

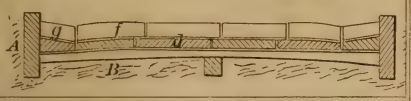


70509—L. G. Bigelow—*Solar Camera.*

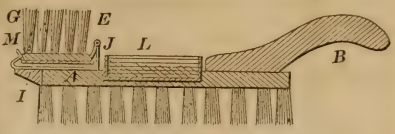


70512—J. F. Boynton—*Carbureting Gas and Air.*

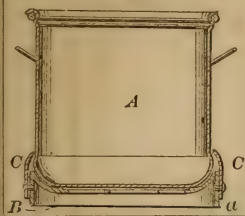
70514—J. L. Brown—*Wood Pavement.*



70515—G. R. Burdon—*Blacking Brush.*

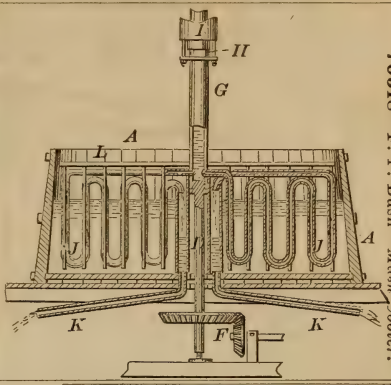


70516—N. C. Burnap—*Milk Can.*

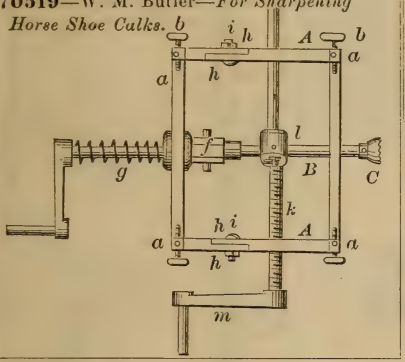


70517—J. Burt—*Carriage Seat Back.*

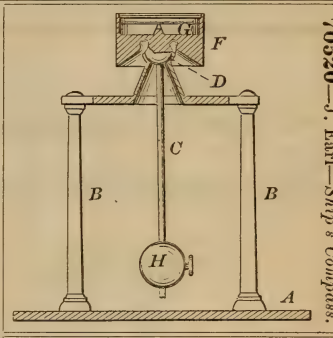
70518—F. P. Bush—*Mash Cooler.*



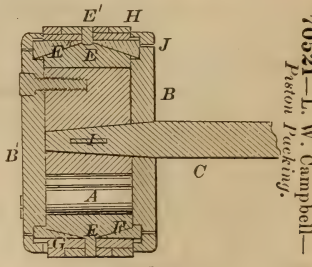
70519—W. M. Butler—*For Sharpening Horse Shoe Calks.*



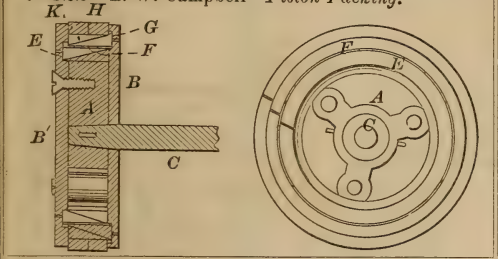
70520—J. Earl—*Ship's Compass.*



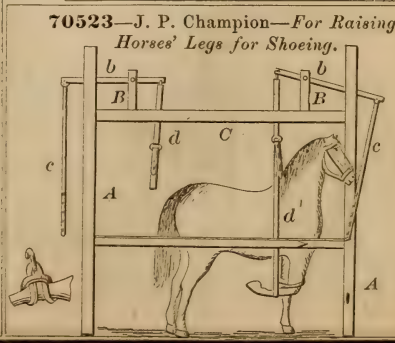
70521—L. W. Campbell—*Piston Packing.*



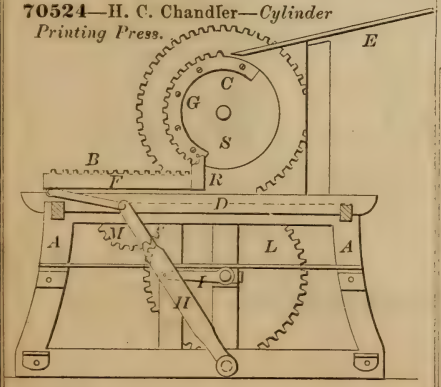
70522—L. W. Campbell—*Piston Packing.*



70523—J. P. Champion—*For Raising Horses' Legs for Shoeing.*



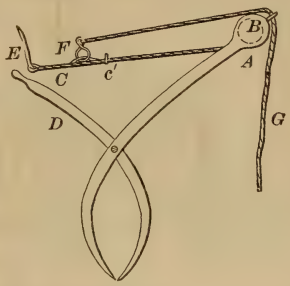
70524—H. C. Chandler—*Cylinder Printing Press.*



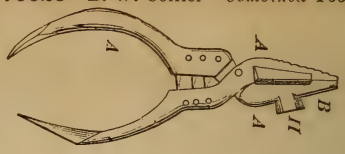
70525—M. Chapman—*Table Cutlery.*

70526—C. R. Clark—*Sleigh Bell.*

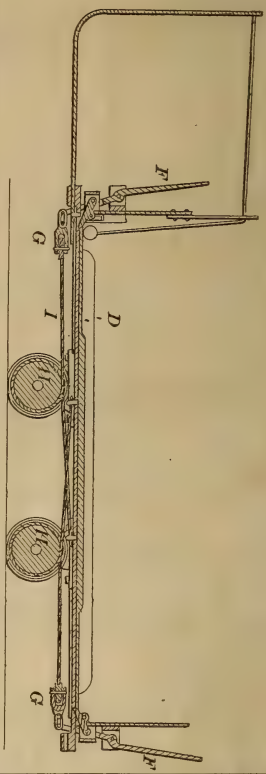
70527—M. Coffin—*Horse Hay Fork.*



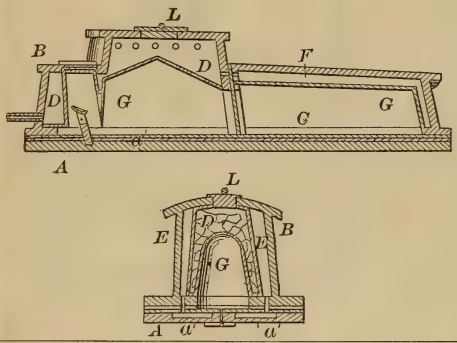
70529—B. W. Collier—*Combined Tool.*



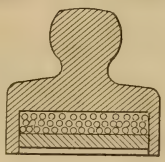
70528—E. T. Colburn—*Stopping and Starting Cars.*



70530—C. W. Compton—*Corpse Preserver.*

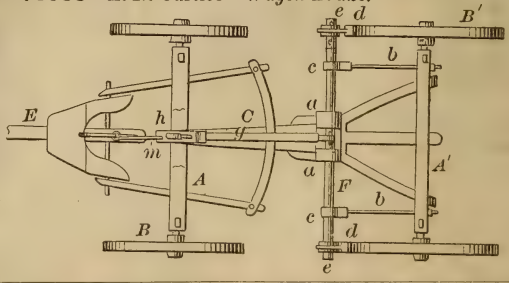


70531—H. W. Comstock—

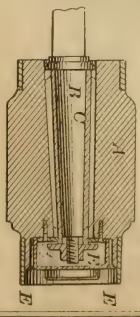


Weight for Scales.

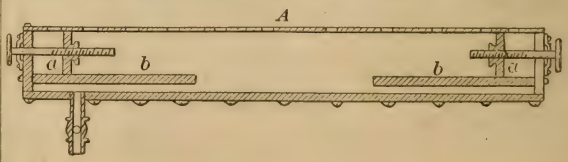
70533—E. N. Curtice—*Wagon Brake.*



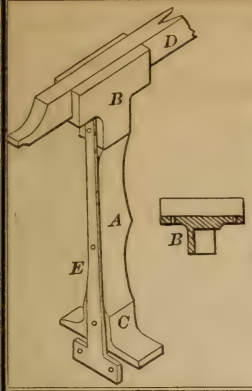
70532—L. Crouch—*Attaching Wheels to Vehicles.*



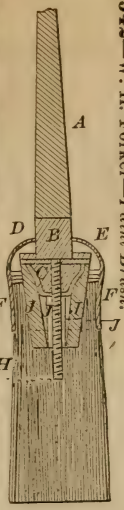
70534—F. Curtis—*Suction Box for Paper Making.*



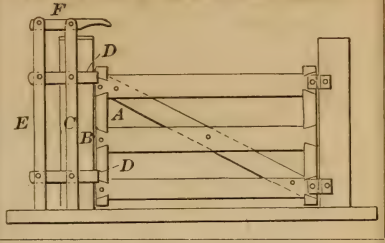
70535—I. Dan—*Sleigh Knee.*



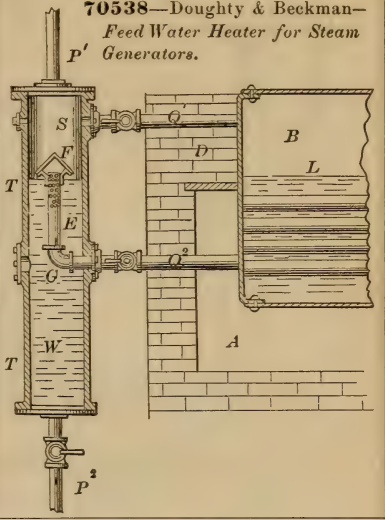
70542—W. H. Forker—*Paint Brush.*



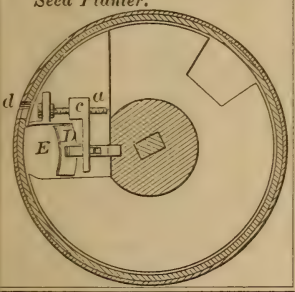
70537—A. K. Davis—*Gate Latch.*



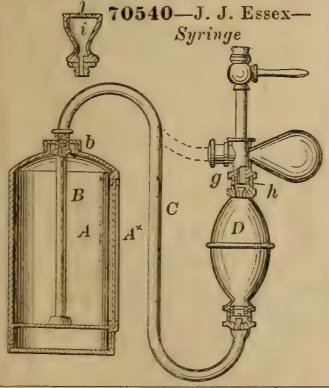
70538—Doughty & Beckman—*Feed Water Heater for Steam Generators.*



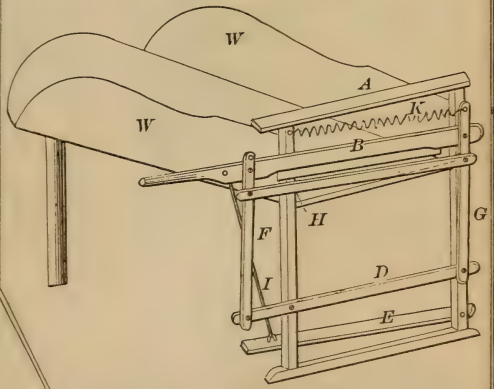
70541—H. C Fairchild—*Seed Planter.*



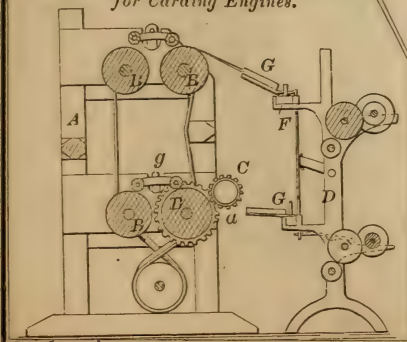
70540—J. J. Essex—*Syringe*



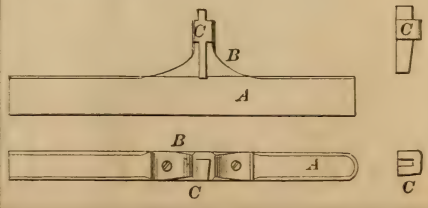
70539—S. Elliott—*Straw Cutter.*



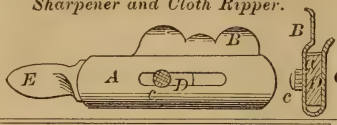
70543—G. R. Gardiner—*Condenser for Carding Engines.*



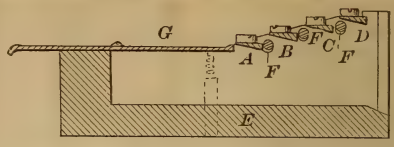
70536—I. Dan—*Sleigh Knee.*



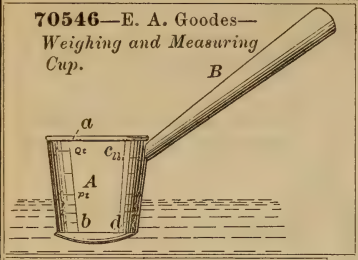
70544—A. W. Gifford—*Scissors Sharpener and Cloth Ripper.*



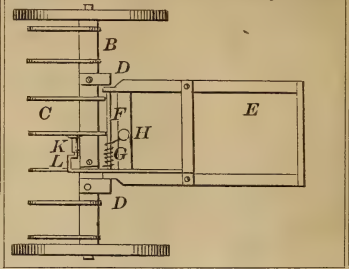
70545—N. Goddard—*For Splitting Whalebone.*



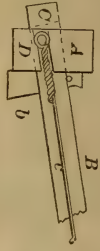
70546—E. A. Goodes—*Weighing and Measuring Cup.*



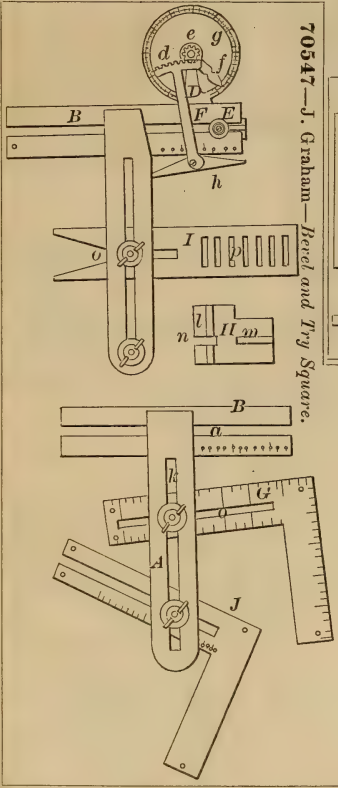
70550—A. J. Greene—*Hay Rake.*



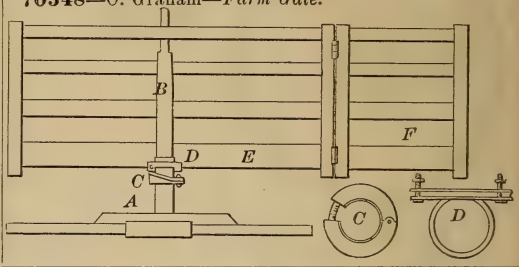
70549—I. M. Green—*Fence.*



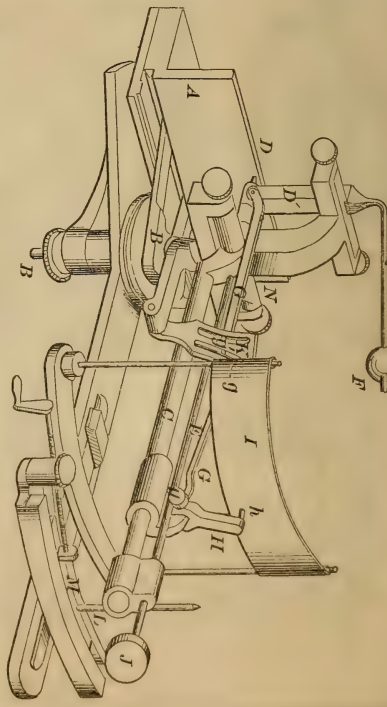
70547—J. Graham—*Bevel and Try Square.*



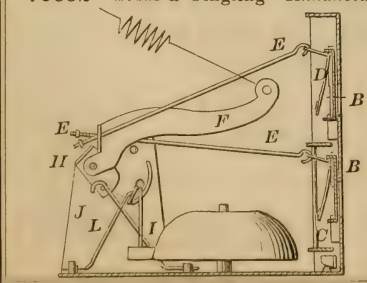
70548—O. Graham—*Farm Gate.*



70553—J. C. Guerrant—*Engraving Machine*

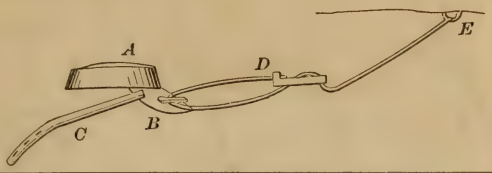


70552—Gross & Yingling—*Annunciator.*

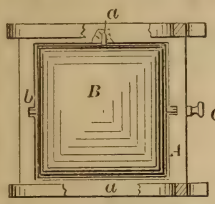


70554—Guthrie & Shearer—*Ornamenting Glass Shades.*

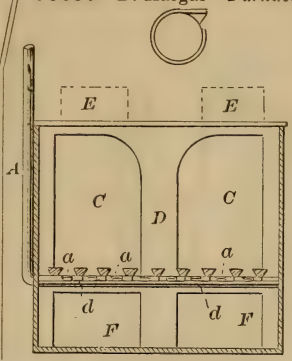
70555—R. Hale—*Head Rest.*



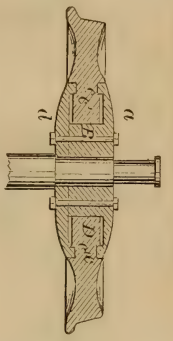
70556—M. Hamburger—*Reversible Chair Seat.*



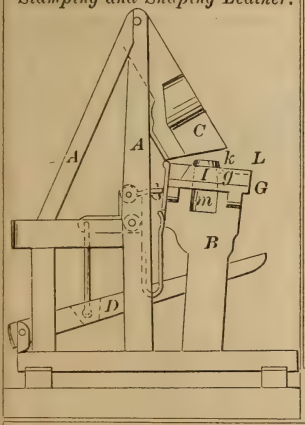
70557—D. Hargar—*Furnace.*



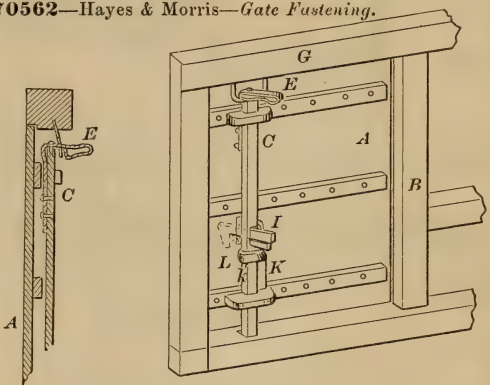
70560—J. Harris—*Car Wheel.*



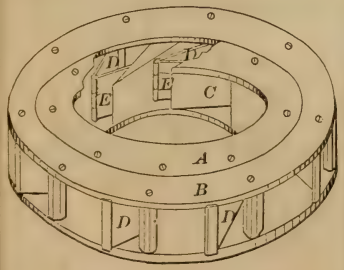
70558—B. B. Harris—*For Stamping and Shaping Leather.*



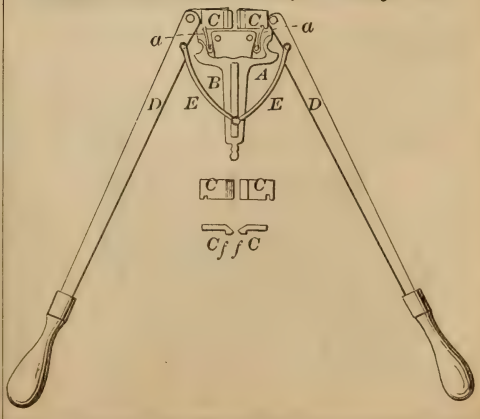
70562—Hayes & Morris—*Gate Fastening.*



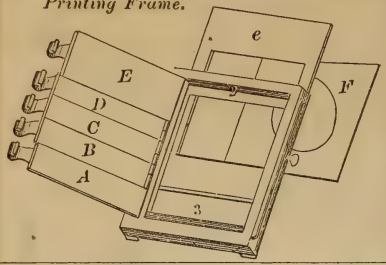
70561—J. H. Hartsuff—*Curb for Water Wheels.*



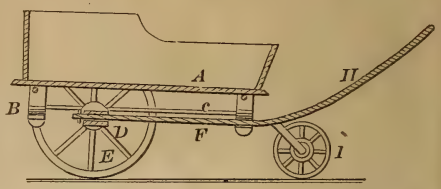
70563—J. E. Heath—*Tool for Cutting Bolts.*



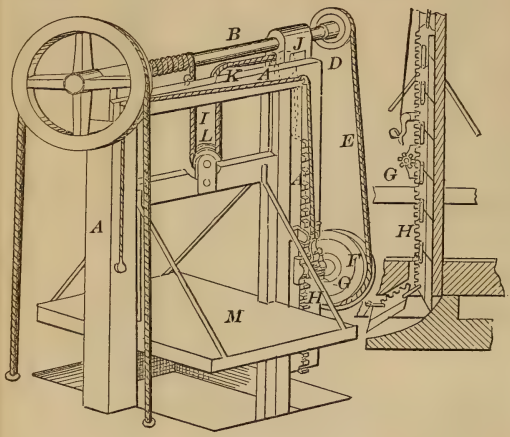
70564—J. Heddon—*Photographic Printing Frame.*



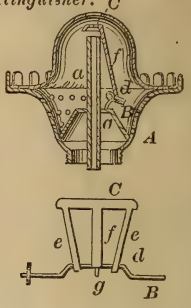
70566—C. W. Higgins—*Children's Carriage and Cradle.*



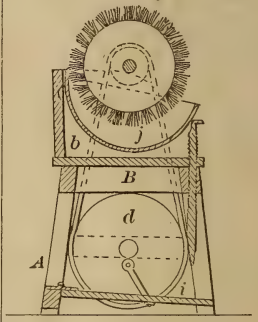
70565—P. Higdon—*Hoisting Apparatus.*



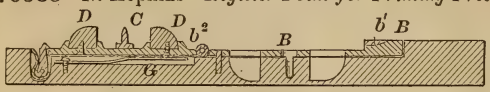
70567—Hill & McCoy—*Lamp Extinguisher.*



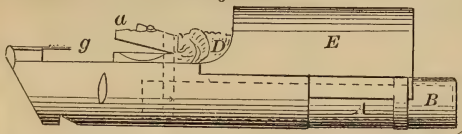
70571—S. W. Huntington—*Boot Blacking Machine.*



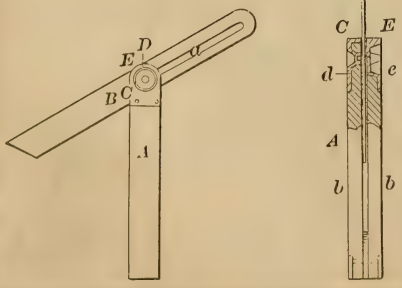
70568—N. Hopkins—*Register Point for Printing Presses.*



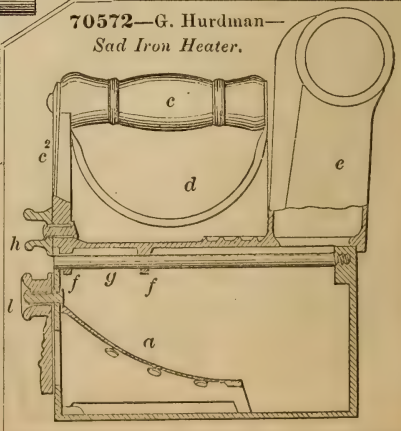
70569—K. Horde—*Toy.*



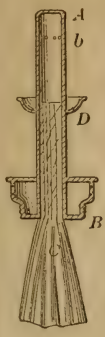
70570—L. D. Howard—*Bevel.*



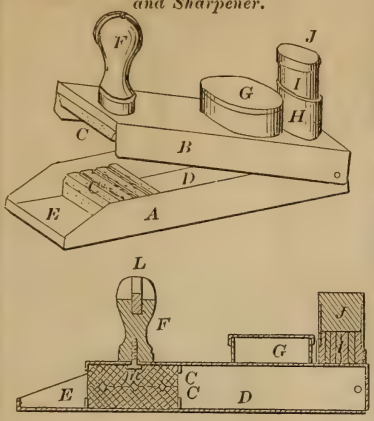
70572—G. Hurdman—*Sad Iron Heater.*



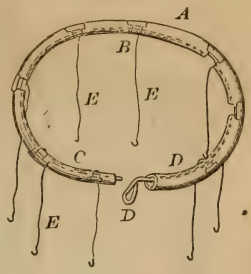
70573—W. W. Jacobs—*Vapor Lamp Burner.*



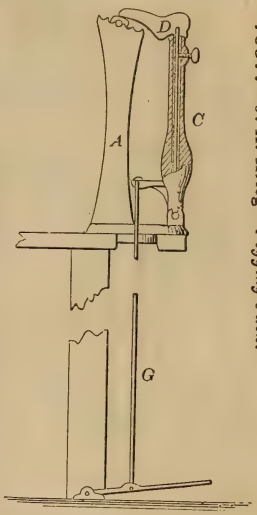
70574—L. J. Johnson—*Knife Cleaner and Sharpener.*



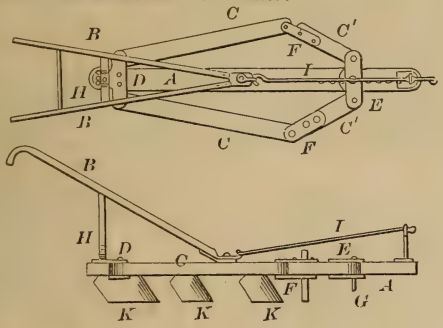
70575—G. W. Keller—*Dress Elevator.*



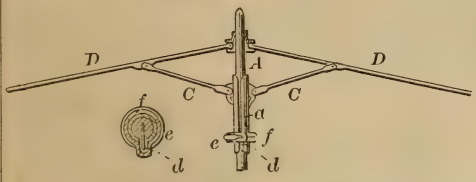
70577—J. K. Krieg—*Pegging Jack.*



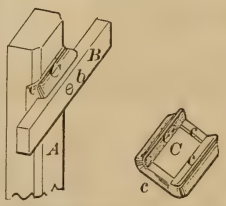
70578—S. A. Kroner—*Cultivator.*



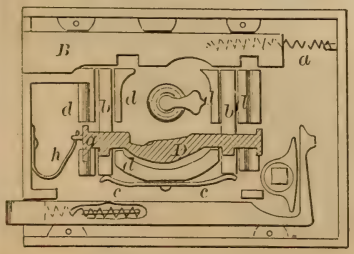
70579—H. Kurth—*Umbrella Runner.*



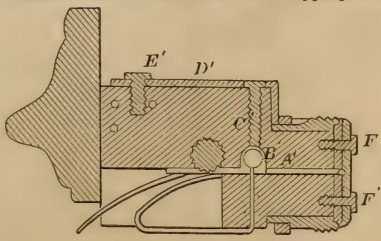
70580—A. Lake—*Cleat Chock.*



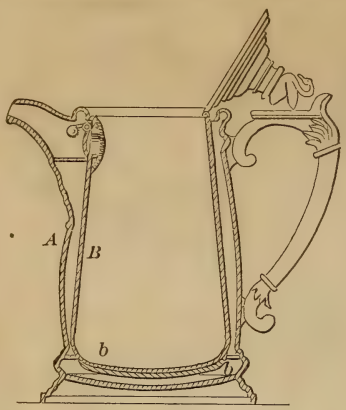
70576—M. & J. Knapp—*Door Lock.*



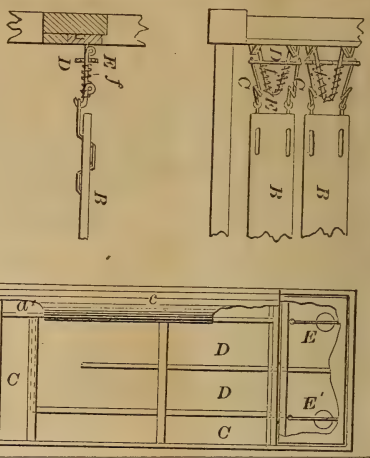
70581—W. R. Landfear—*For Pegging Boots.*



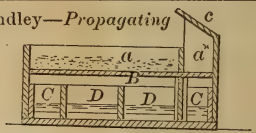
70582—N. Lawrence—*Ice Pitcher.*



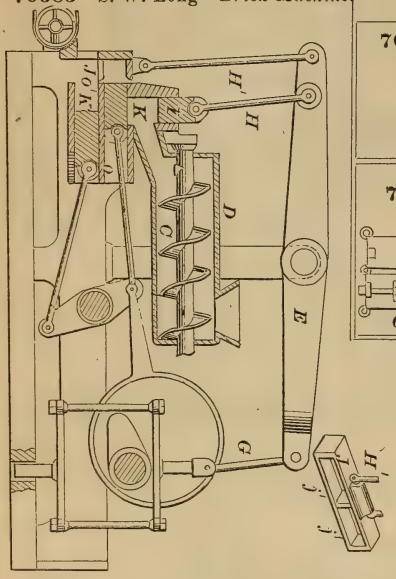
70583—F. Leadbetter—*Bed Bottom.*



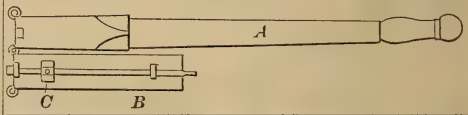
70584—N. H. Lindley—*Propagating Tank and Bed.*



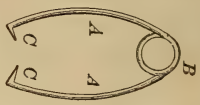
70585—S. W. Long—*Brick Machine.*



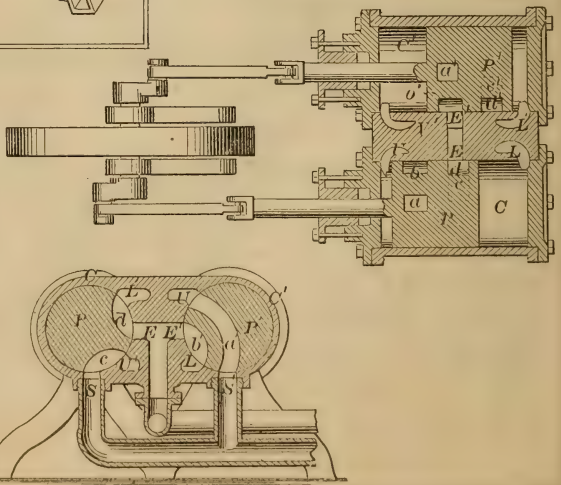
70587—K. Markuson—*Handle for Ships' Pumps.*



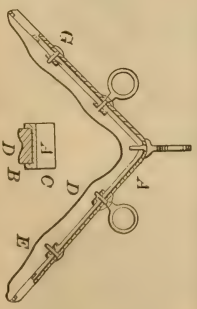
70586—R. M Mansur—*Ice Tongs.*



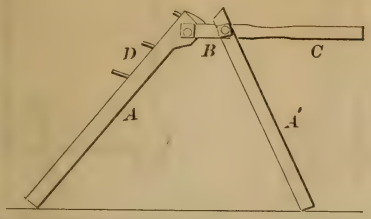
70590—E. McClintock—*Steam Engine.*



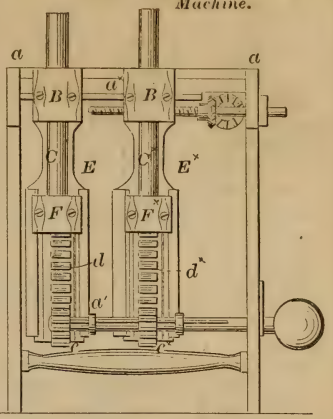
70589—G. Marshall—*Harness Saddle.*



70591—W. McMiller—*Lifting Jack.*



70592—R. N. Meriam—*Planing Machine.*



70594—J. Miller, Jr.—*Securing Wheels on Axles.*

70595—R. Mitchell—*Steam Hammer.*

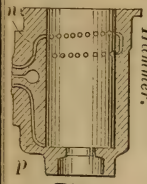
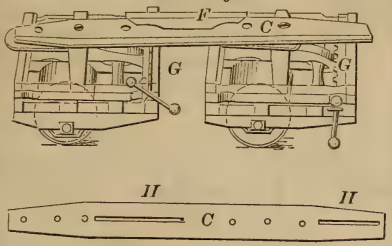
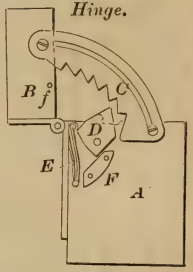


Fig. 5

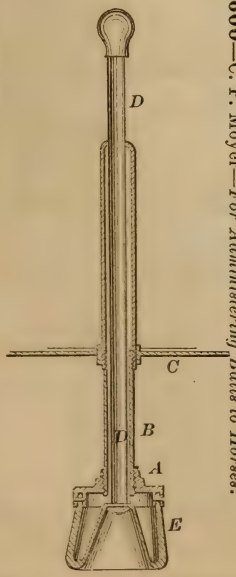
70596—J. H. Moore—*For Moving Buildings.*



70597—A. L. Mora—*Hinge.*

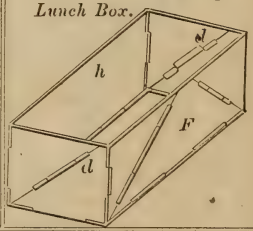


70600—C. P. Moyer—*For Administering Balls to Horses.*

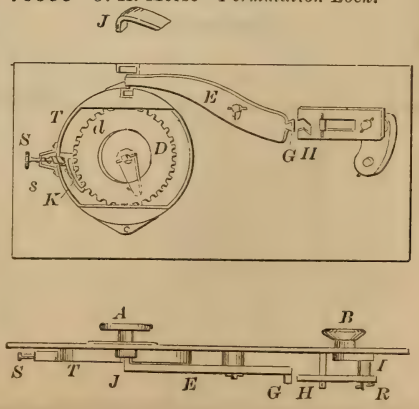


70593—Miller & Prescott—*Sash Support and Fastener.*

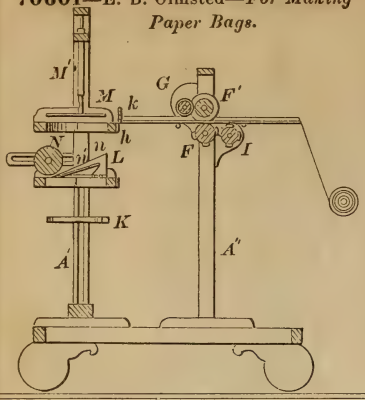
70598—J. F. Morgan—*Lunch Box.*



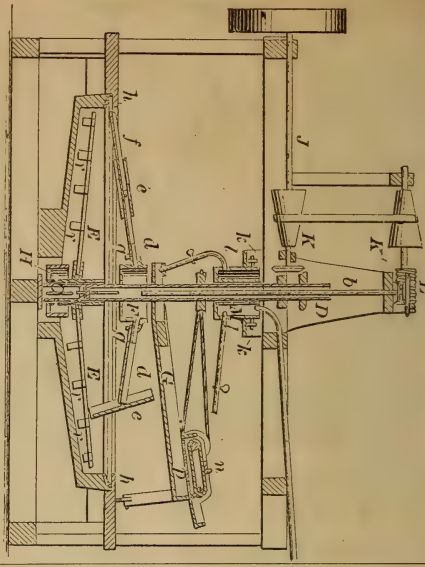
70599—J. H. Morse—*Permutation Lock.*



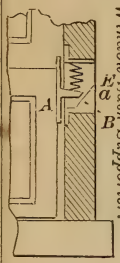
70601—E. B. Olmsted—*For Making Paper Bags.*



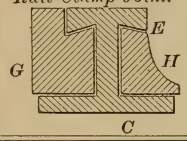
70603—Paine & Stephens—*Ore Separator and Concentrator.*



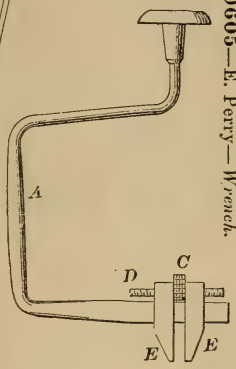
70604—J. R. Payson—*Window Sash Supporter.*



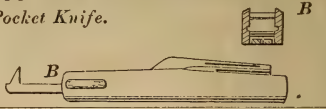
70606—F. Pidjeon—*Rail Clamp Joint.*



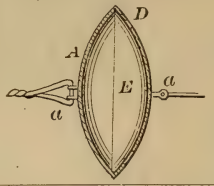
70605—E. Perry—*Wrench.*



70609—B. F. Porter—*Door Fastener and Pocket Knife.*

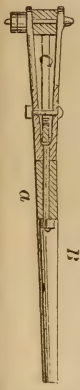


70610—W. D. Porter—*Toy Humming Wheel.*



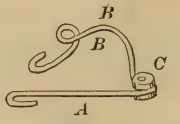
70613—G. W. Putnum—*Dredging Box.*

70607—Z. Plumb—*Wagon Reach.*

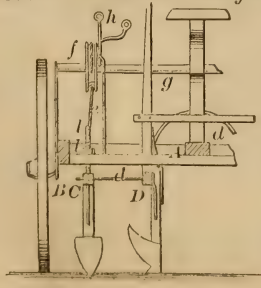


70612—J. Rider—*Priming Metallic Cartridges.*

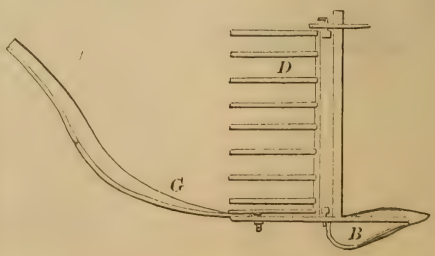
70611—Purse & Draper—*Sack Fastener*



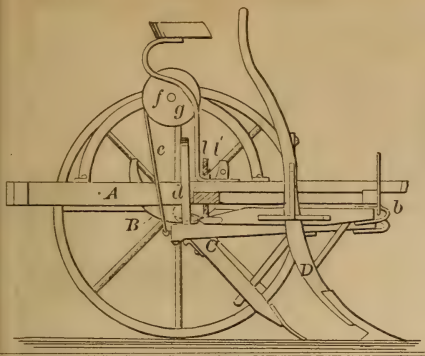
70615—J. H. Rankin—*Sulky Plow.*

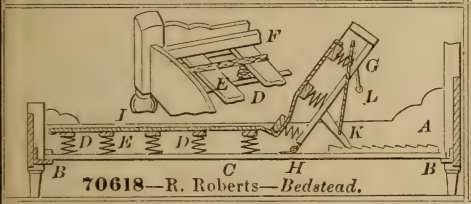


70614—A. Rank—*Harvester.*



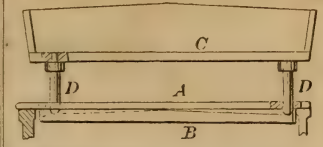
70615—*Continued.*

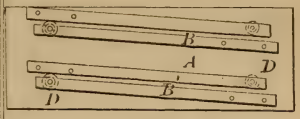




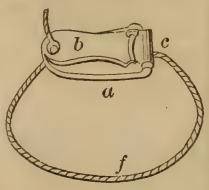
70618—R. Roberts—*Bedstead.*

70619—R. N. Rockwell—*Wagon Seat.*



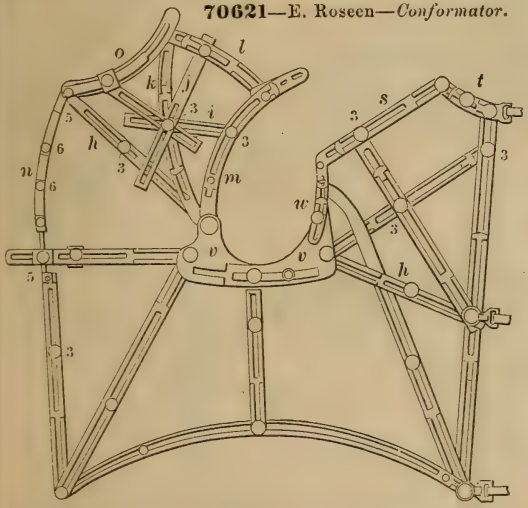


70620—E. Romans—*Bag Fastener.*

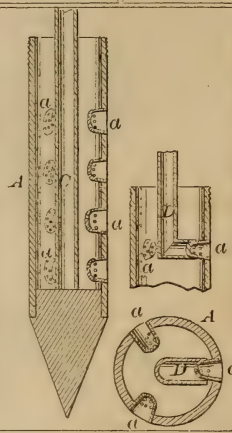


70616—M. J. Rhees—*Pessary.*

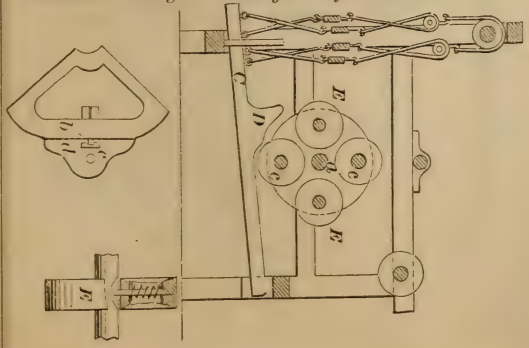
70621—E. Roseen—*Conformator.*



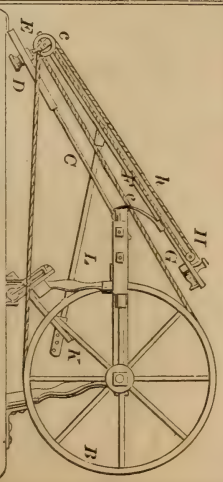
70617—J. W. Ricker—*Well Tube.*



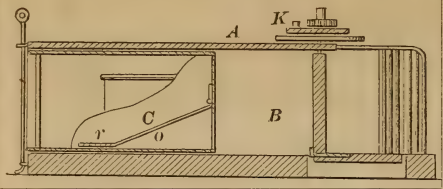
70623—R. Sargent—*Rotary Cam for Looms.*



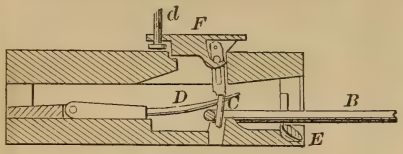
70622—J. H. Rowe—*Spinning Wheel.*



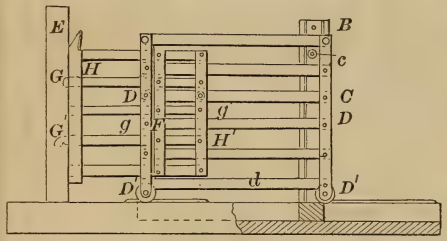
70624—J. Schroy—*Animal Trap.*

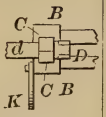


70625—L. O. Schultz—*Car Coupling.*

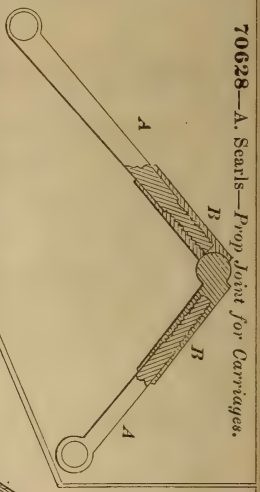


70626—L. M. Scothorn—*Gate.*

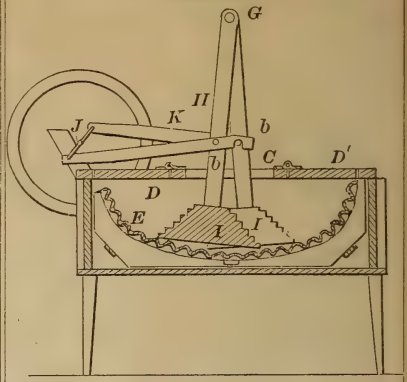




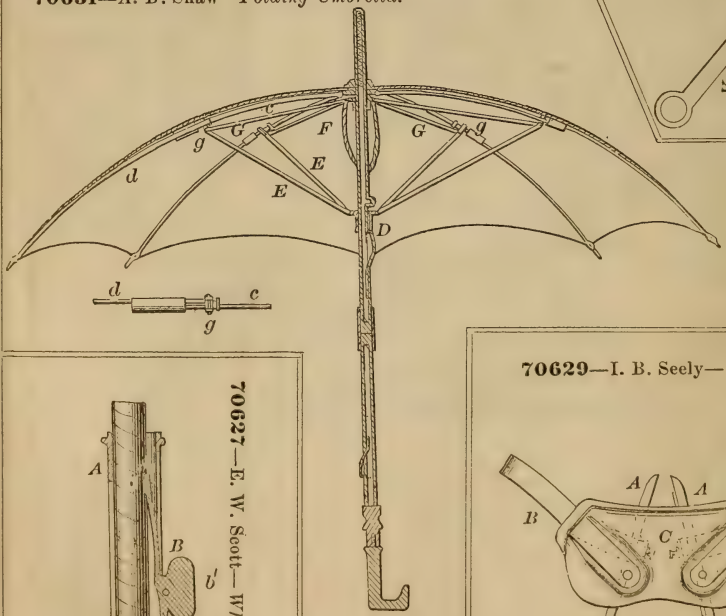
70628—A. Searls—*Prop Joint for Carriages.*



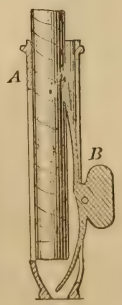
70630—G. C. Selfridge—*Washing Machine.*



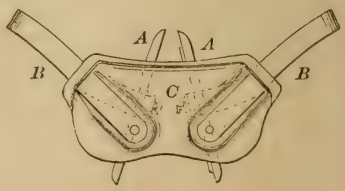
70631—A. B. Shaw—*Folding Umbrella.*



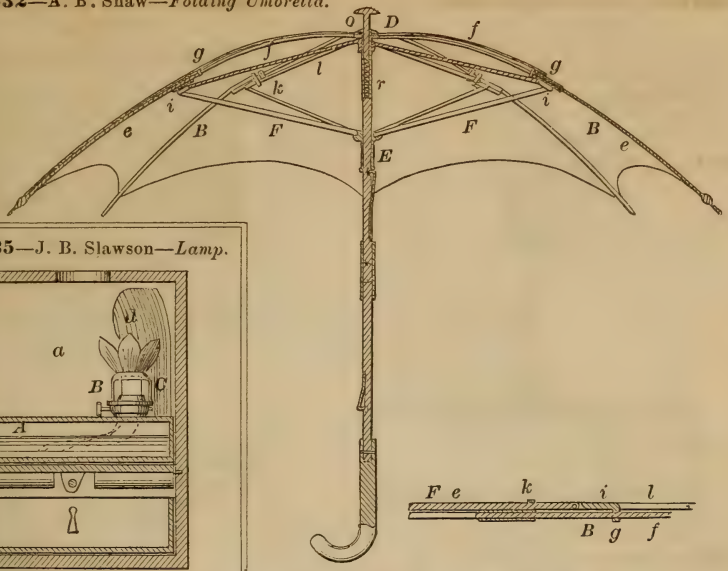
70627—E. W. Scott—*Whip Socket.*



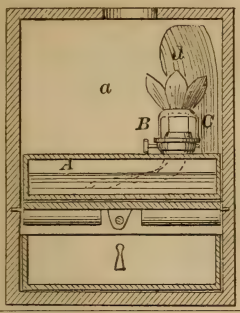
70629—I. B. Seely—*Truss.*



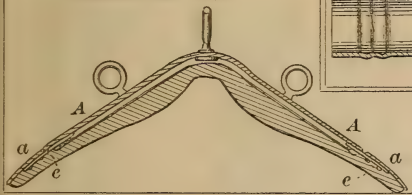
70632—A. B. Shaw—*Folding Umbrella.*



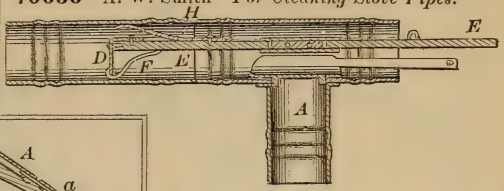
70635—J. B. Slawson—*Lamp.*



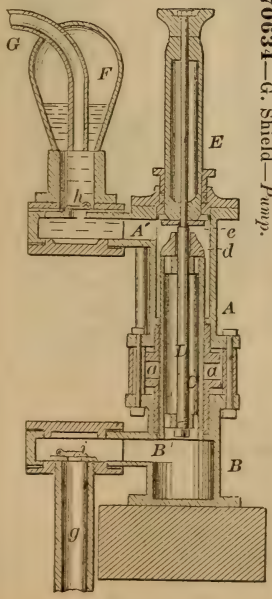
70633—Shaw & Dawson—*Harness Pad Tree.*



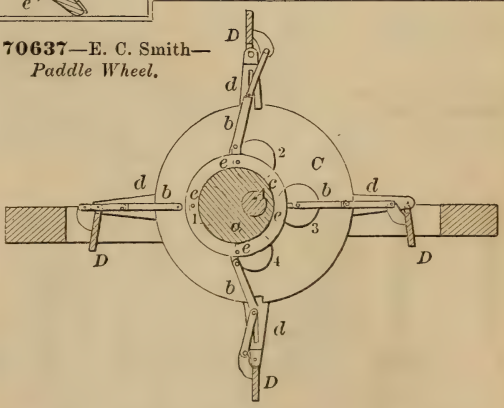
70636—A. W. Smith—*For Cleaning Stove Pipes.*

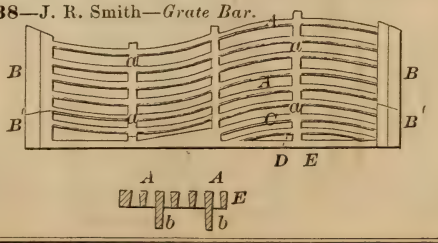


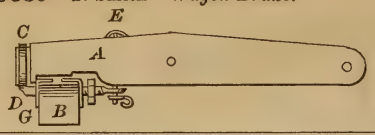
70634—G. Shield—*Pump.*



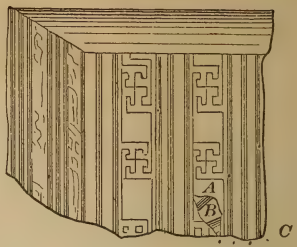
70637—E. C. Smith—*Paddle Wheel.*



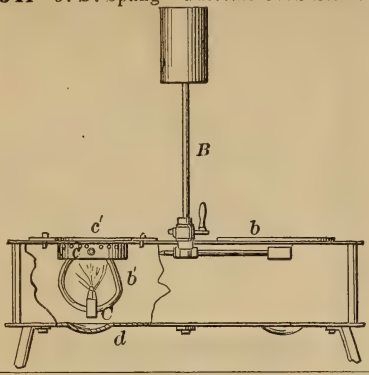
70638—J. R. Smith—*Grate Bar.*

70639—T. Smith—*Wagon Brake.*



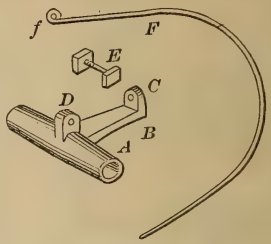
70640—J. M. Soutrenon—*Covering for Walls.*



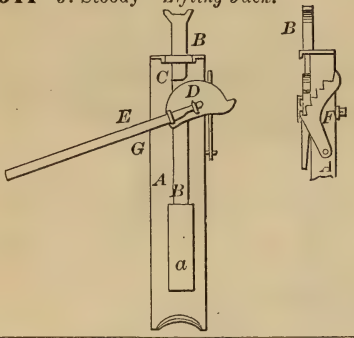
70641—J. D. Spang—*Gasoline Cook Stove.*



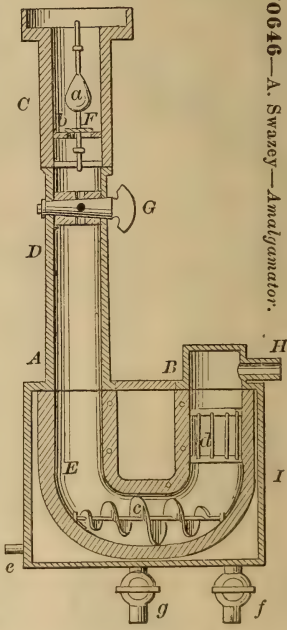
70643—H. K. Stoner—*Horse Rake.*



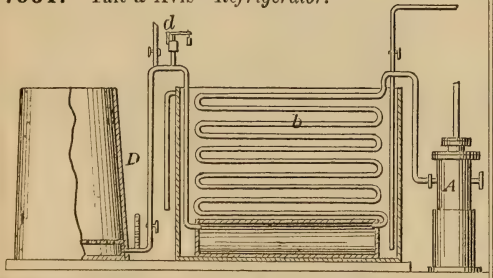
70644—J. Stoody—*Lifting Jack.*



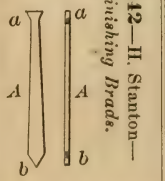
70646—A. Swazey—*Amalgamator.*



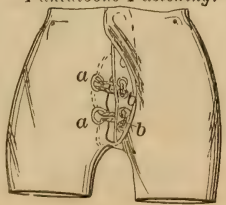
70647—Tait & Avis—*Refrigerator.*



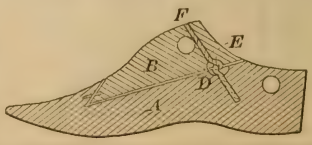
70642—H. Stanton—*Finishing Brads.*



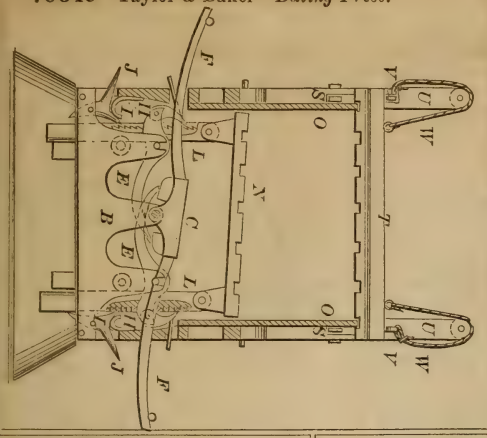
70645—I. Stratton—*Pantaloons Fastening.*



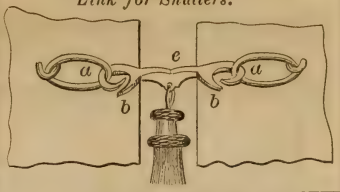
70648—A. Taylor—*Last.*



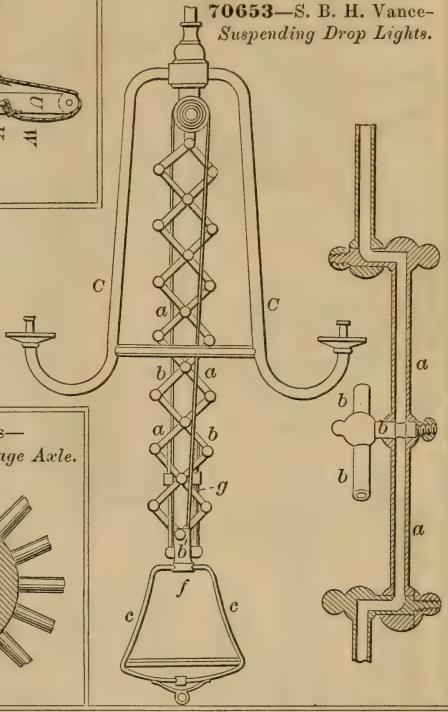
70649—Taylor & Baker—*Baling Press.*

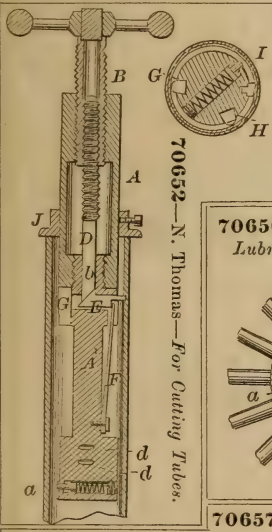


70651—M. Thomas—*Retaining Link for Shutters.*



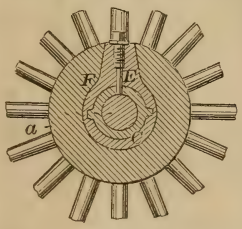
70653—S. B. H. Vance—*Suspending Drop Lights.*



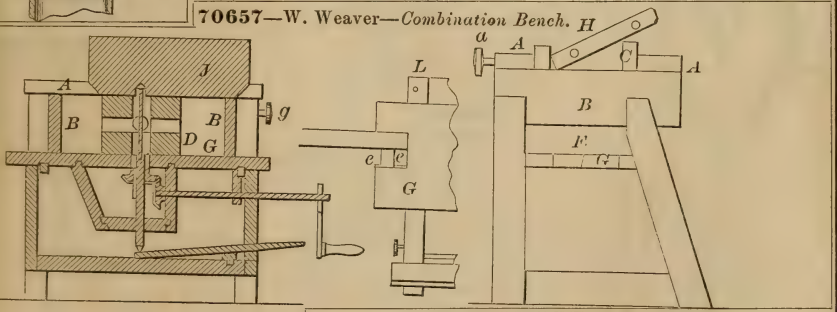


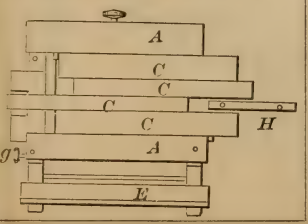
70652—N. Thomas—*For Cutting Tubes.*

70650—E. Thomas—*Lubricating Carriage Axle.*

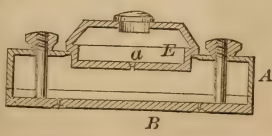


70657—W. Weaver—*Combination Bench.*

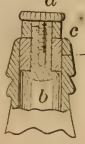




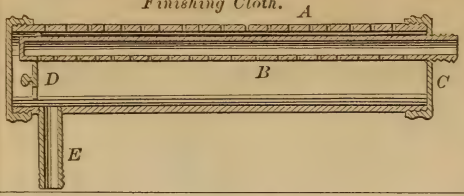
70656—W. Weaver—*For Scouring Marble*



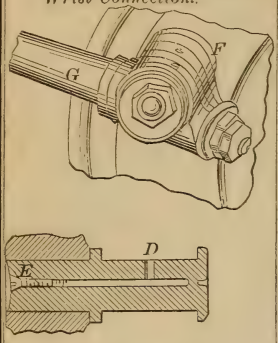
70654—W. Von Hofe—*Bottle Stopper.*



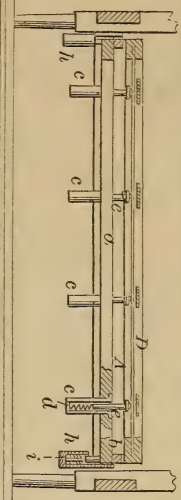
70658—A. Webster—*Steam Cylinder for Finishing Cloth.*



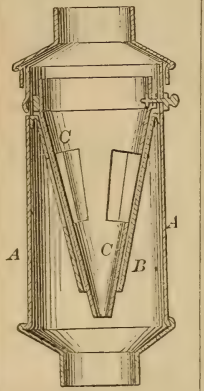
70661—W. N. Whiteley—*Pitman Head and Crank Wrist Connection.*



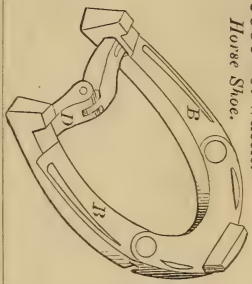
70663—J. W. Wilder—*Bed Bottom.*



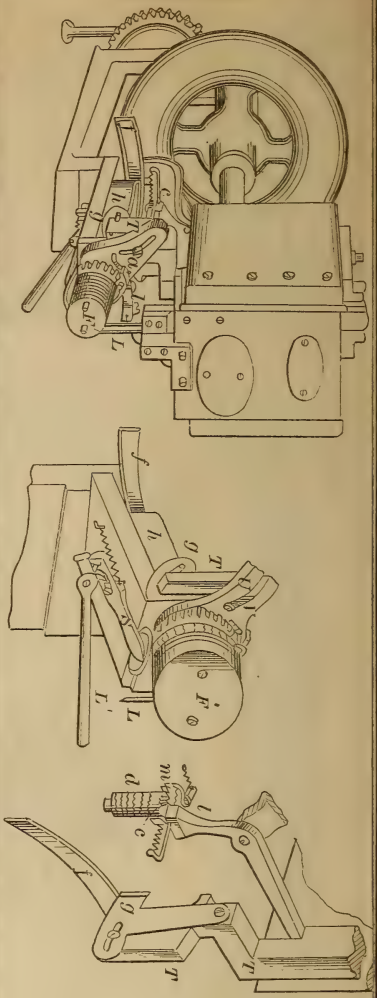
70659—E. Webster—*Stove Pipe Drum.*



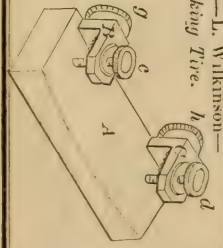
70660—J. Wheeler—*Horse Shoe.*



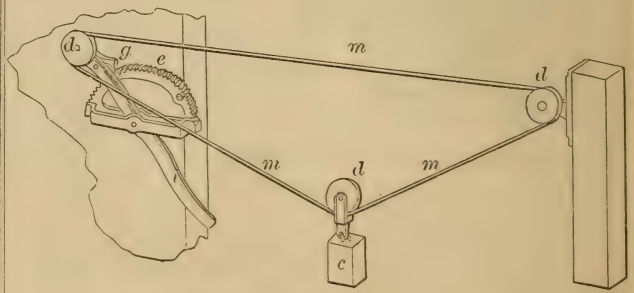
70662—D. Whittemore—*For Pegging Boots and Shoes.*



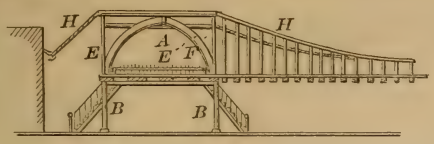
70664—L. Wilkinson—*Shrinking Tire.*



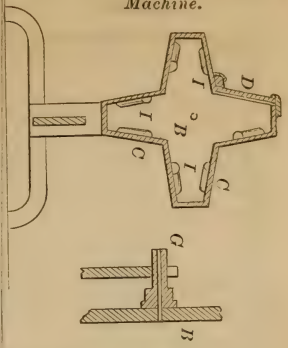
70665—J. L. Willcox—*Clothes Line Holder.*



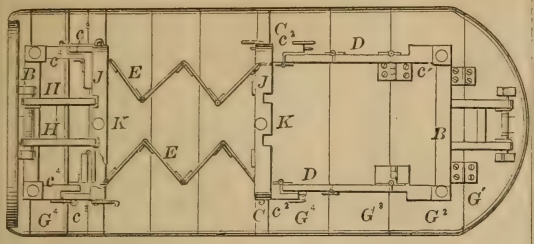
70666—W. H. Williams—*Elevated Railroad.*

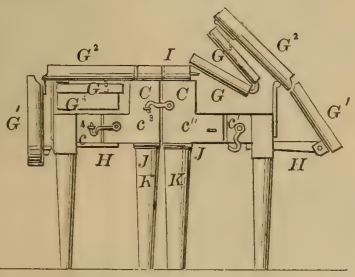


70667—G. L. Witsil—*Washing Machine.*

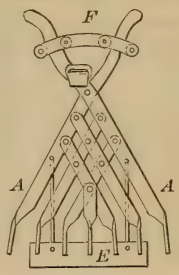


70668—F. R Wolfinger—*Extension Table.*

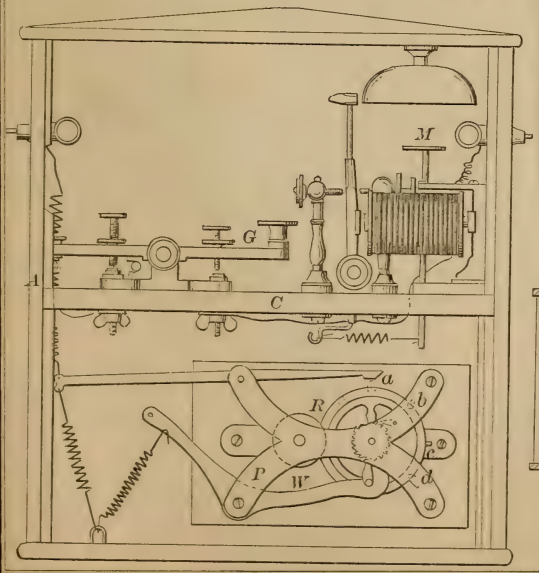




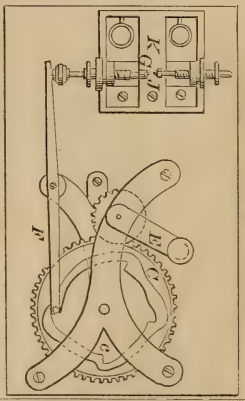
70669—D. Woodbury—*For Making Bricks.*



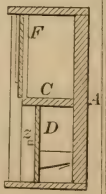
70672—J. M. Fairchild—*Fire Alarm Telegraph.*

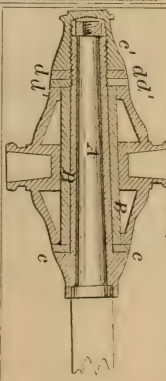


70673—J. M Fairchild—*For Opening and Closing Telegraphic Circuits.*

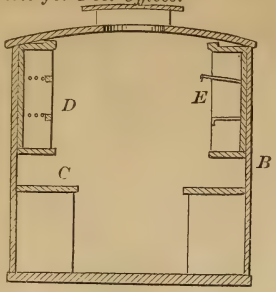


70670—E. G. Woodside—*Wheel Hub Box.*

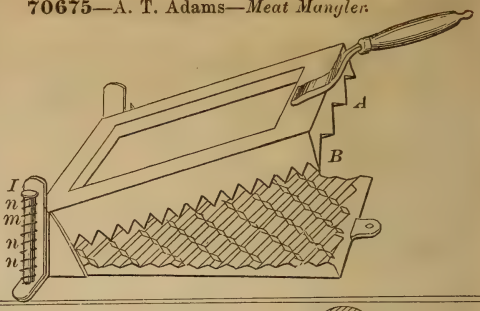




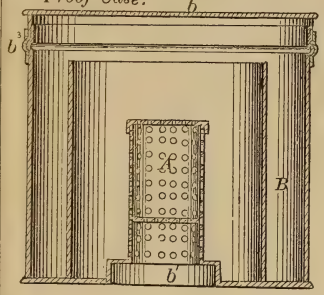
70674—H. G. Pearson—*Pigeon Hole for Post Offices.*



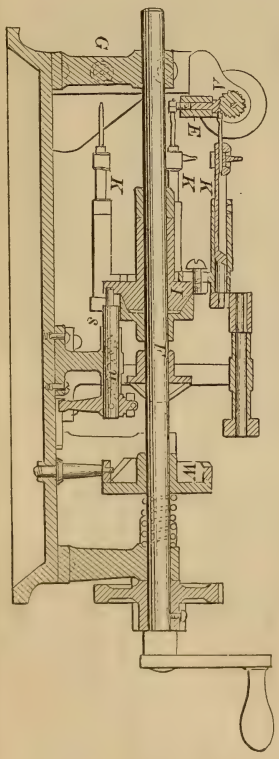
70675—A. T. Adams—*Meat Mangler.*



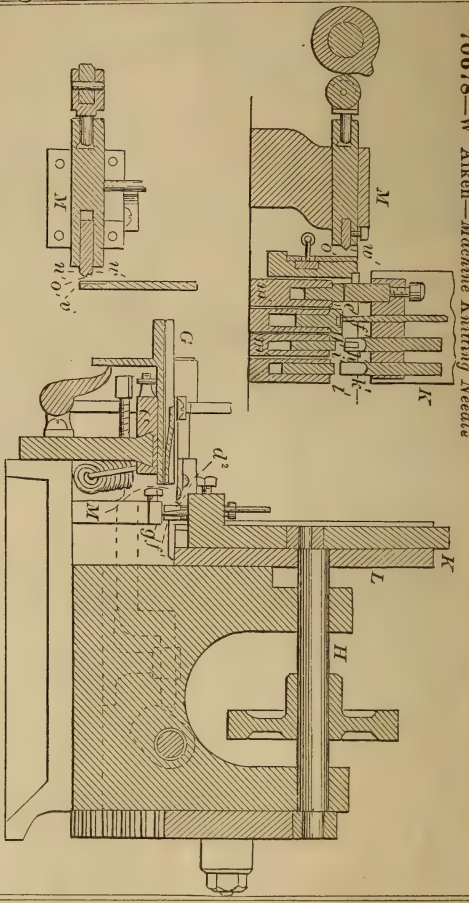
70676—Aikin & Stone—*Moth Proof Case.*



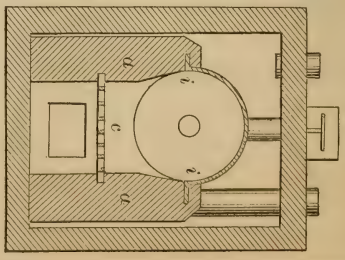
70677—W. Aiken—*Needle Machine.*



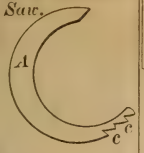
70678—W Aiken—*Machine Knitting Needle*



70679—B. Arthurs—*Hot Air Furnace.*

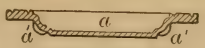


70680—J. E Atwood—*Saw.*

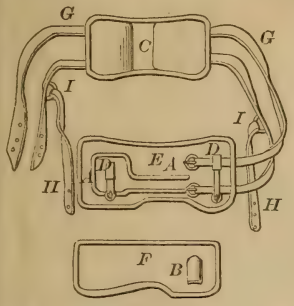


70681—C. C. Ayer—*Carriage Wheel.*

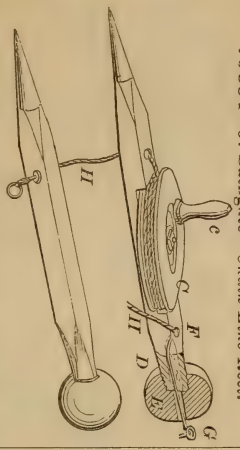
70682—S. C. Babbitt—*Salver.*



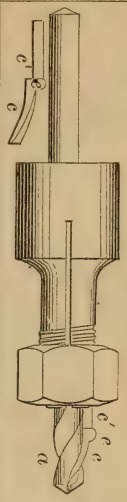
70683—C. A. Baker—*Truss.*



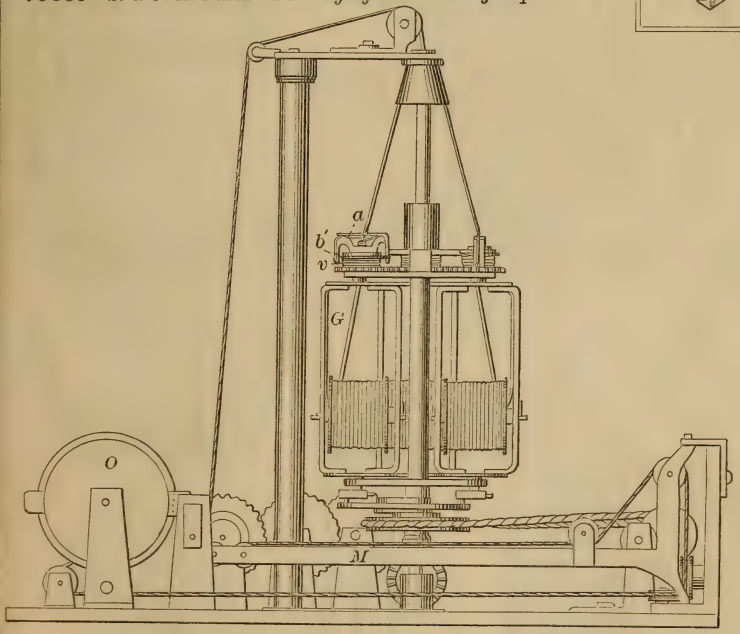
70684—J. Bathgate—*Chalk Line Reel.*

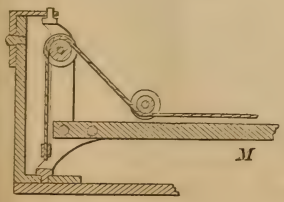


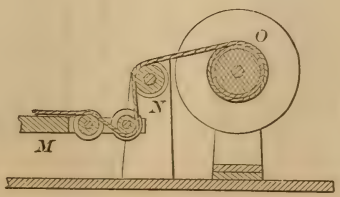
70686—J. A. Bidwell—*Tapering Drill.*

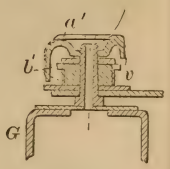


70685—S. & J. A. Bazin—*For Laying and Twisting Rope*

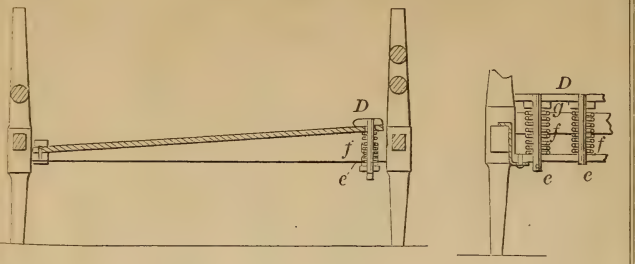




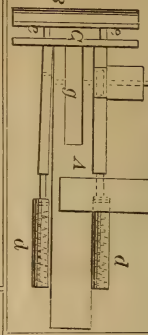




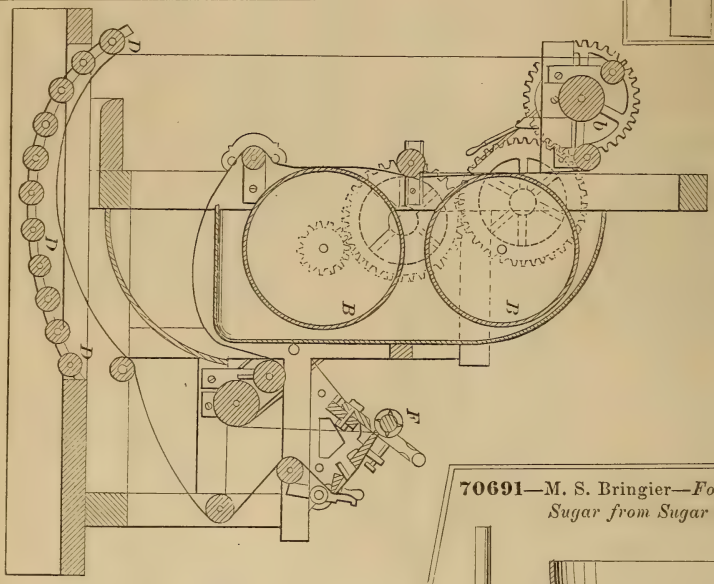
70687—A. Bingham—*Bed Bottom.*



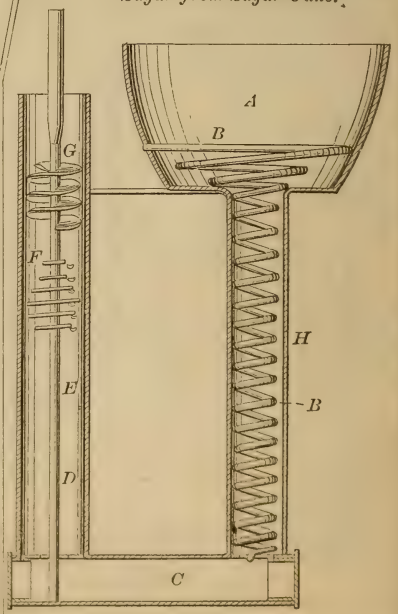
70689—Boyd & Kriegbaum—*Car Coupling.*



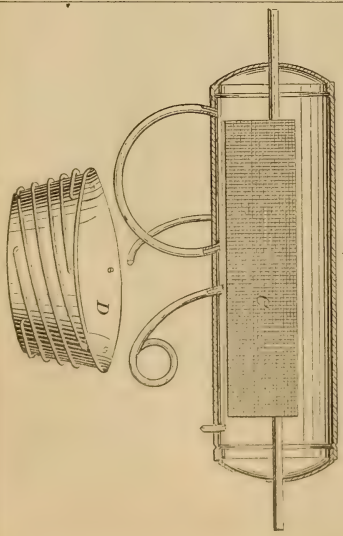
70688—E. Birkenshaw—*For Finishing Woolen Cloth.*



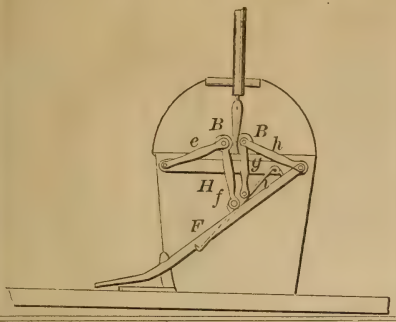
70691—M. S. Bringier—*For Extracting Sugar from Sugar Cane.*



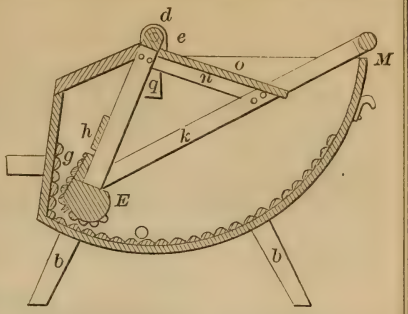
70690—M. S. Bringier—*For Evaporation.*



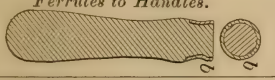
70692—Brooks & Matteson—*Mop Wringer.*



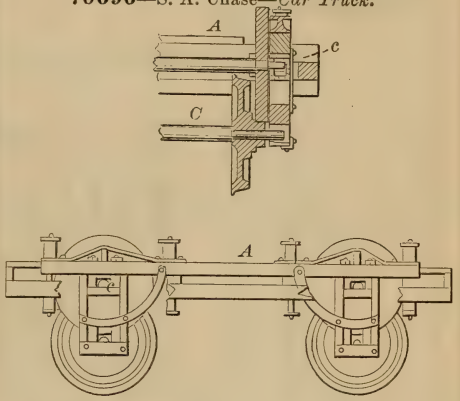
70693—A. R. Campbell—*Washing Machine.*



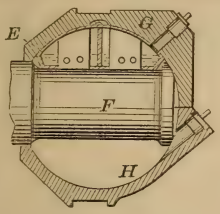
70694—A. L. Carrier—*Attaching Ferrules to Handles.*



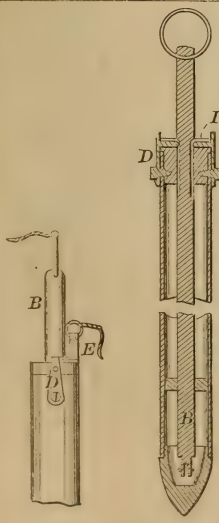
70696—S. A. Chase—*Car Truck.*



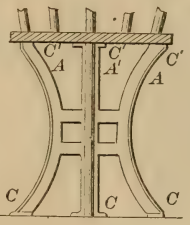
70697—G. H. Clemens—*Journal Box.*



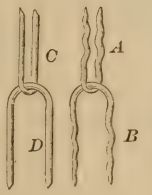
70695—W. Carroll—*Horse Hay Fork.*



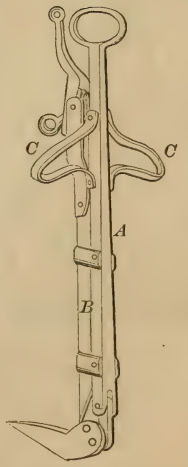
70698—H. Cole—*Chair.*



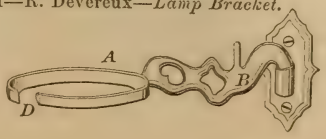
70702—F. Douglas—*Blind Staple.*



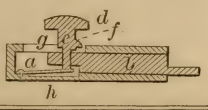
70700—J. S. Culver—*Horse Hay Fork.*



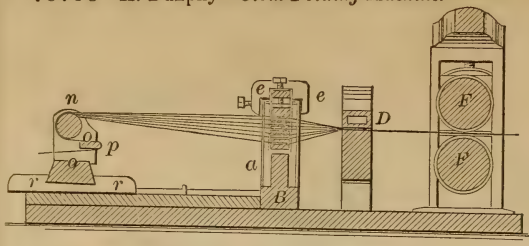
70701—R. Devereux—*Lamp Bracket.*



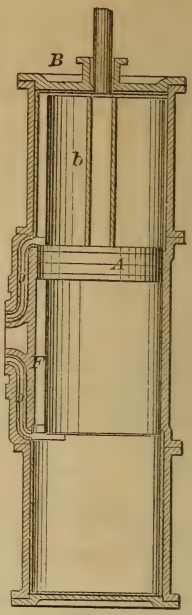
70699—Corthell & Richards—*Door and Window Fastener.*

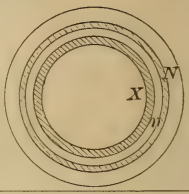


70706—H. Dunphy—*Cloth Folding Machine.*

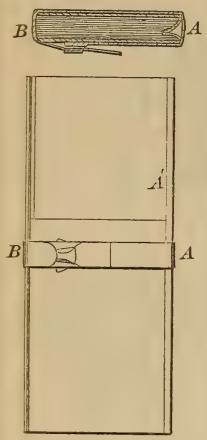


70707—C. E. Emery—*Steam Engine.*

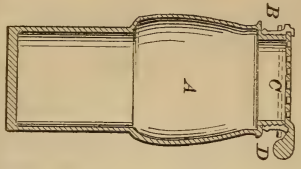




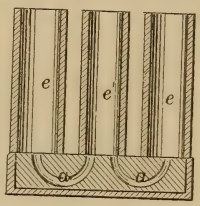
70708—W. Fallon—*Paper File.*



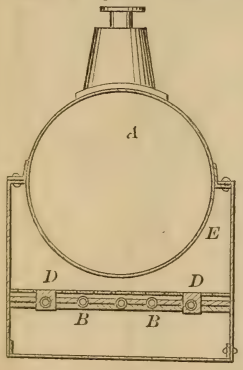
70709—W. A. Fenn—*Salt Sifter.*



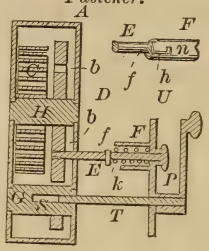
70710—J. E. Fry—*Mould for Casting Steel Ingots.*



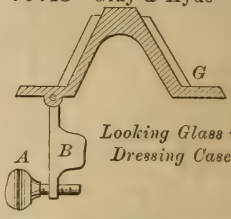
70712—M T. Gosnell—*For Burning Hydro-Carbon Oil.*



70714—E. Herbster—*Sash Fastener.*

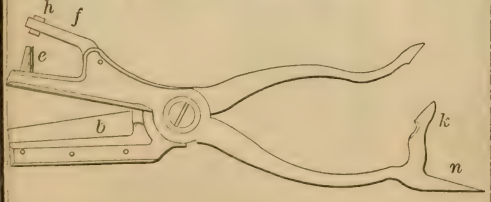


70713—Gray & Hyde—

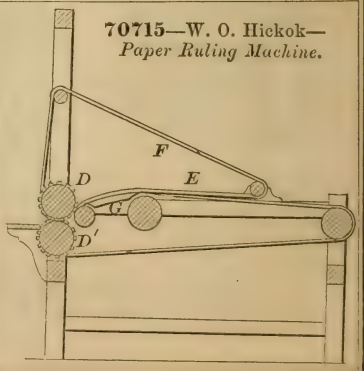


Looking Glass in Dressing Cases.

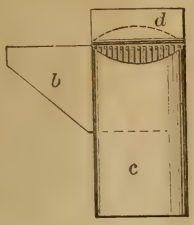
70711—M. C. Goodale—*Belt Cutter.*



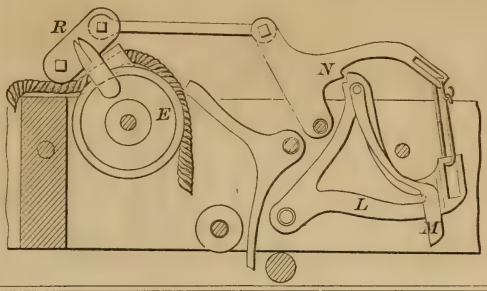
70715—W. O. Hickok—*Paper Ruling Machine.*



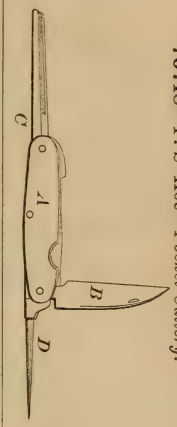
70716—J. Hill—*Needle Wrapper.*



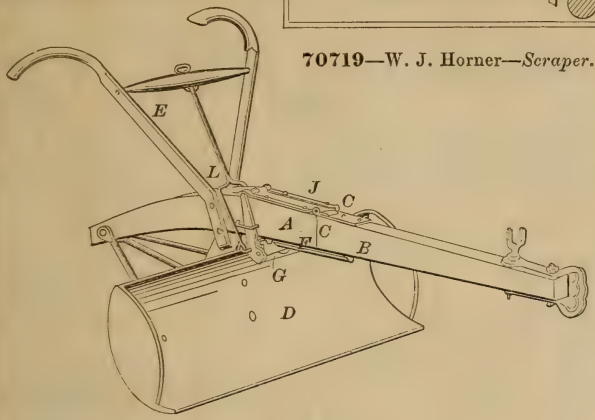
70717—N. D. Hinman—*Clutch for Hay Elevators.*



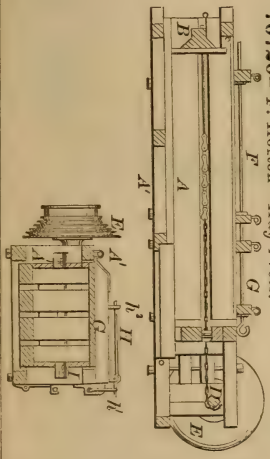
70718—P. S Hoe—*Pocket Cutlery.*



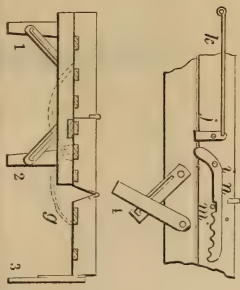
70719—W. J. Horner—*Scraper.*



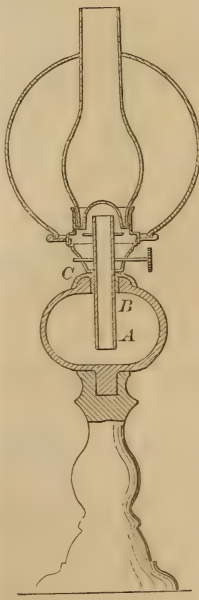
70720—F. Horton—*Hay Press.*



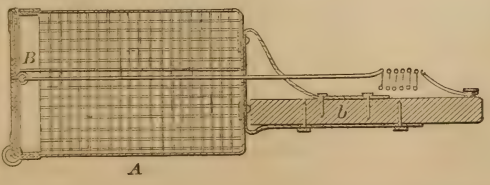
70722—S. P. Johnson—*Invalid Bedstead.*



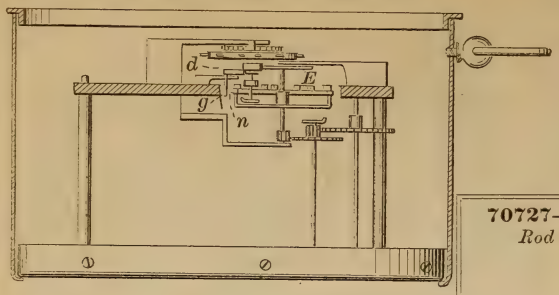
70721—E. Howard—*Preventing Explosion of Lamps.*

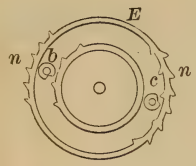


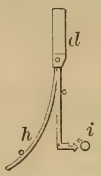
70723—E. G. Kinsley—*Corn Popper.*



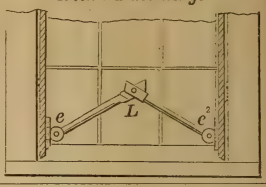
70724—W. H. Lamb—*Watch Escapement.*



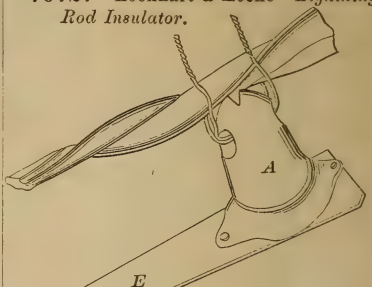


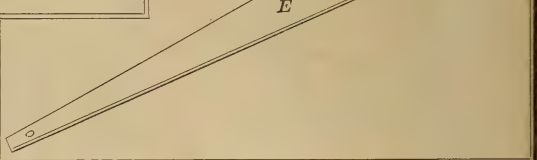


70726—G. Lightfoot—*Blind Fastening.*

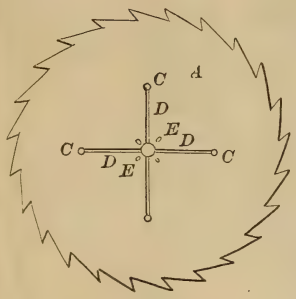


70727—Lockhart & Locke—*Lightning Rod Insulator.*

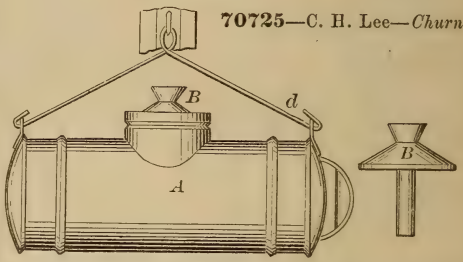




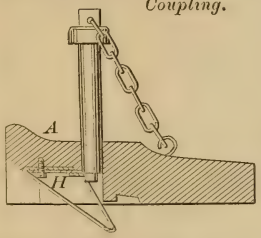
70728—J. K. Lockwood—*Saw.*



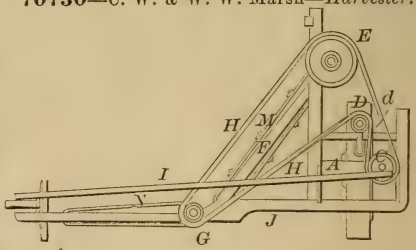
70725—C. H. Lee—*Churn.*

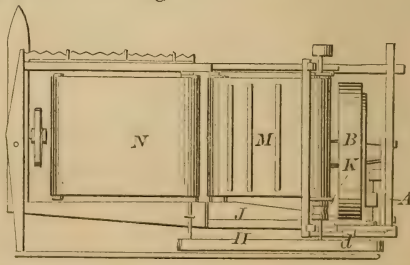


70729—S. L. Loomis—*Car Coupling.*

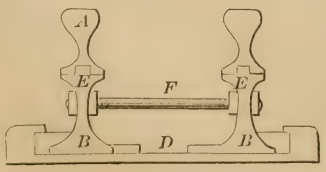


70730—C. W. & W. W. Marsh—*Harvester.*

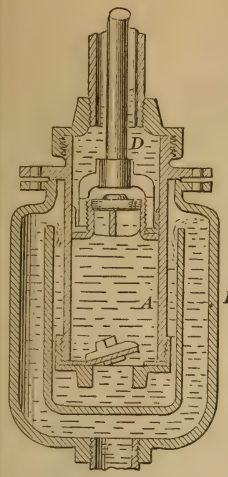




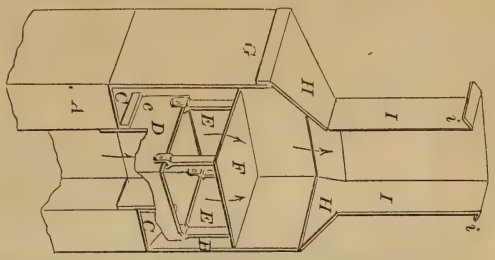
70731—H. McCan—*Railroad Track.*



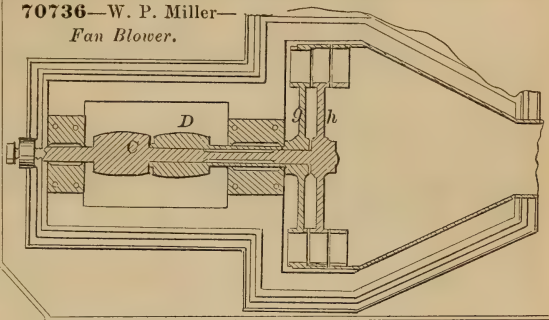
70733—J. H. & T. J. McGowan—*Pump.*



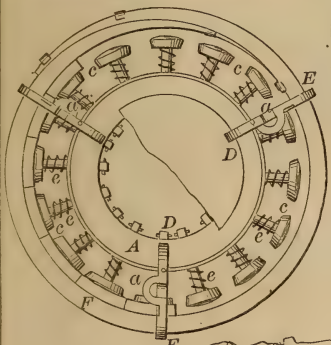
70734—C. G. Miller—*Chimney Cap.*

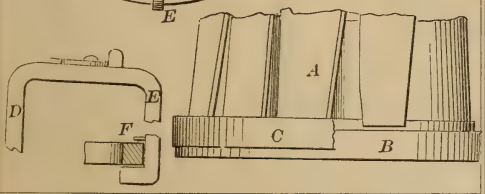


70736—W. P. Miller—*Fan Blower.*

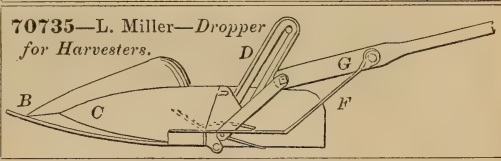


70738—J. A. Morrell—*For Setting up Staves in Barrels.*

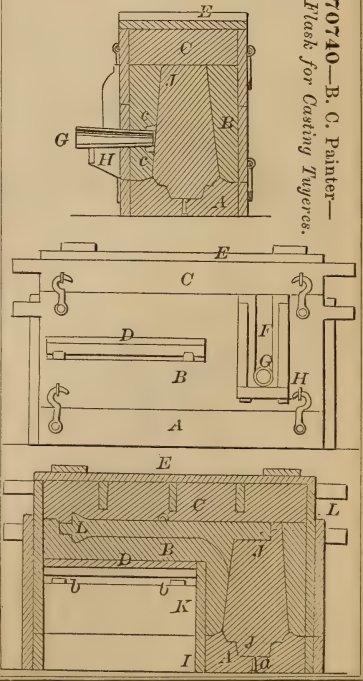




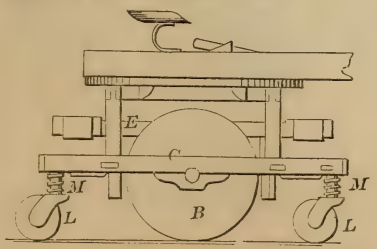
70735—L. Miller—*Dropper for Harvesters.*



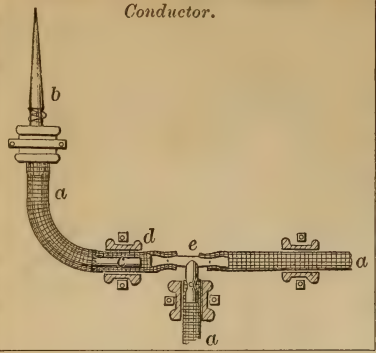
70740—B. C. Painter—*Flask for Casting Tuyeres.*



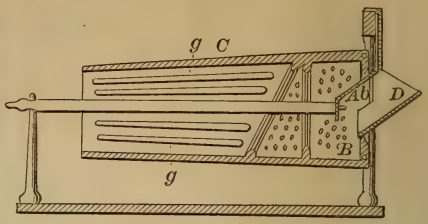
70739—E. F. Olds—*Land Roller.*



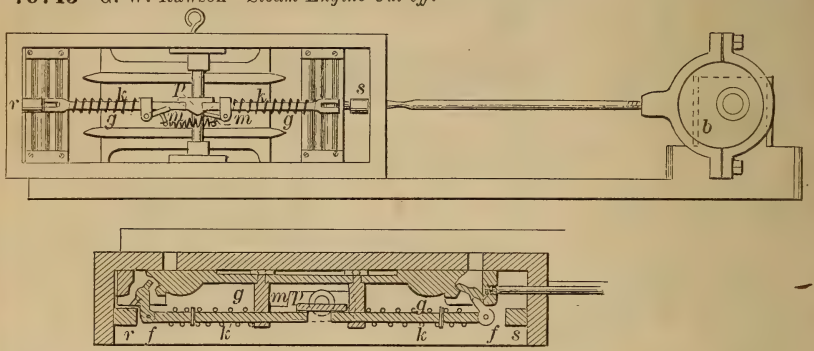
70741—W. G. Pike—*Lightning Conductor.*



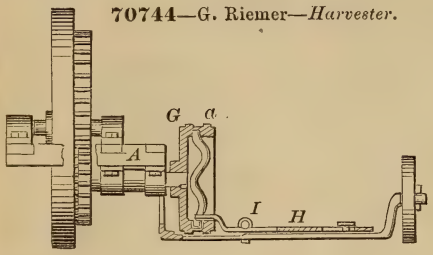
70742—L. B. Pitcher—*Mixing and Drying Cylinder.*



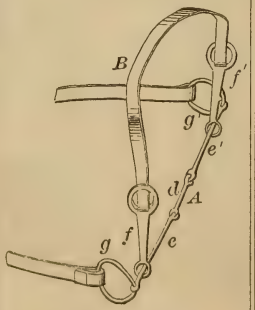
70743—G. W. Rawson—*Steam Engine Cut-off.*



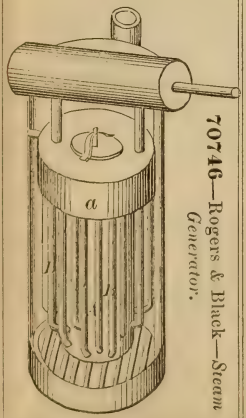
70744—G. Riemer—*Harvester.*



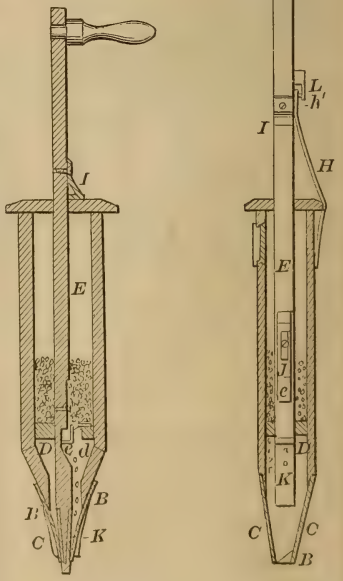
70745—A. H. Rockwell—*Bridle Bit.*



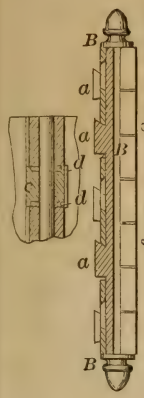
70746—Rogers & Black—*Steam Generator.*



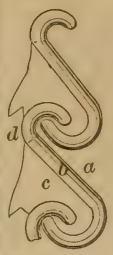
70747—Russell & Burdick—*Hand Corn Planter.*



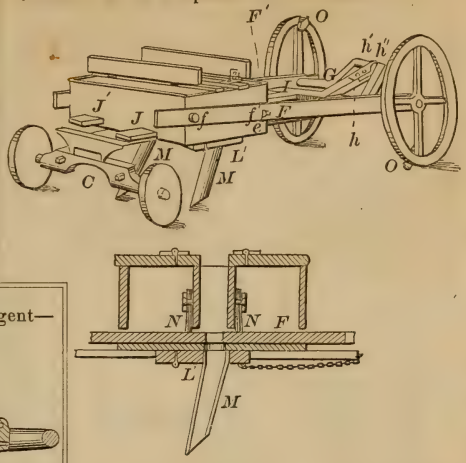
70748—D. C. Sage—*Butt Hinge.*



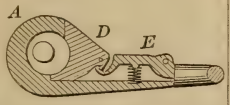
70752—T. Shaw—*Coy Chain.*



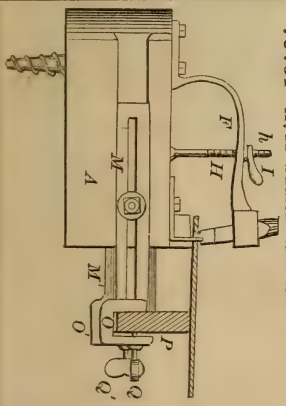
70753—W. H. Shepherd—*Corn Planter.*



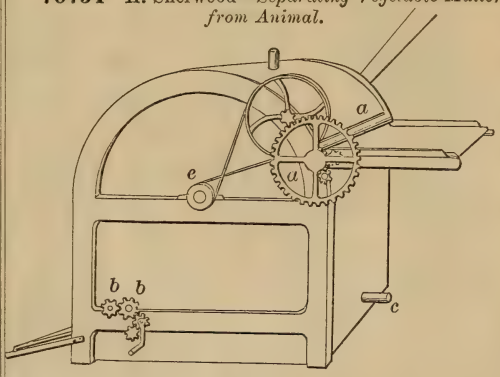
70750—J. B. Sargent—*Snap Hook.*



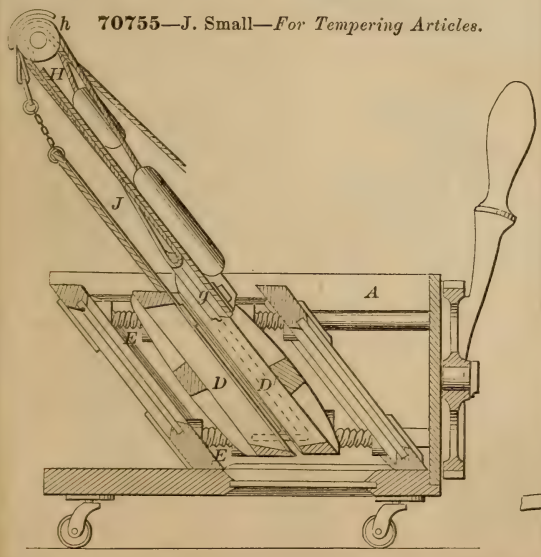
70751—A. M. Shafer—*Saw Set.*

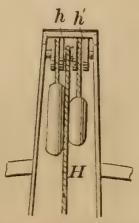


70754—H. Sherwood—*Separating Vegetable Matter from Animal.*

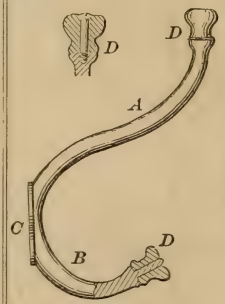


70755—J. Small—*For Tempering Articles.*

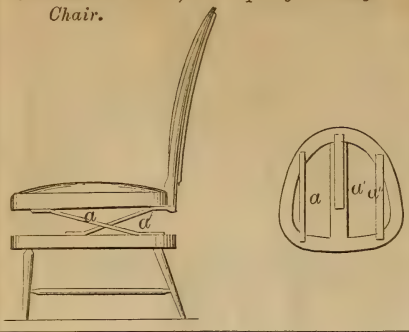




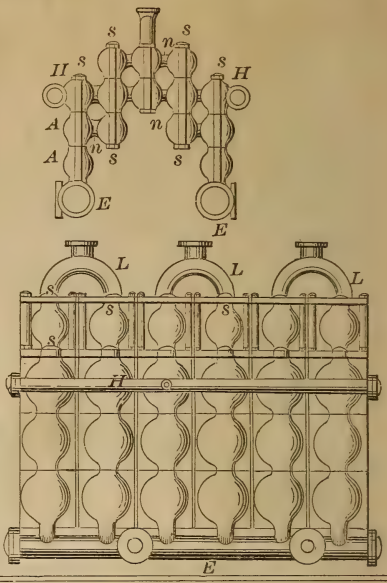
70749—J. B. Sargent—*Coat and Hat Hook.*



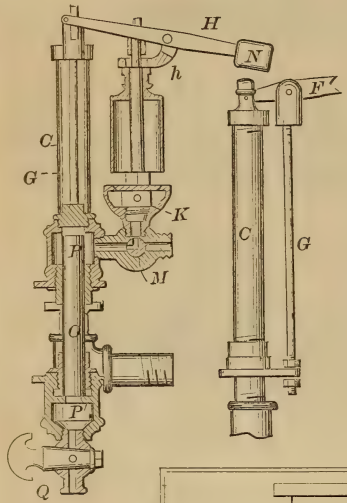
70756—E. Smith, Jr.—*Spring Rocking Chair.*



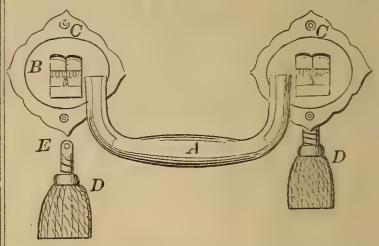
70757—Smith & Walter—*Steam Generator*



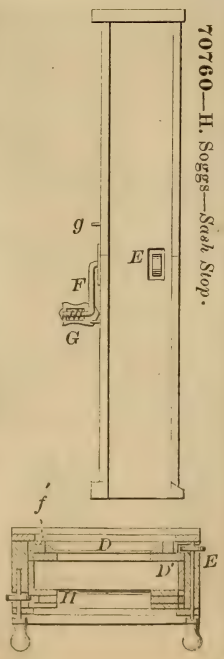
70758—L. F. Smith—*Low Water Indicator.*



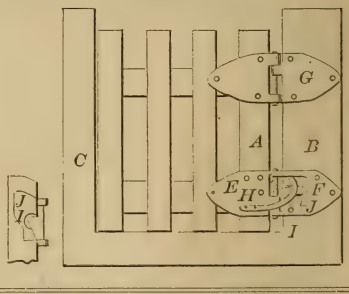
70759—W. M. Smith—*Casket Handle.*



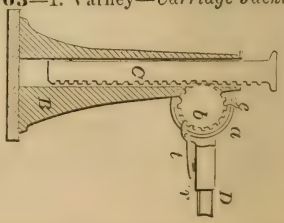
70760—H. Soggs—*Sash Stop.*



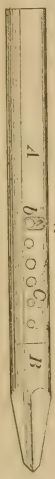
70762—G. L .Templeton—*Gate.*



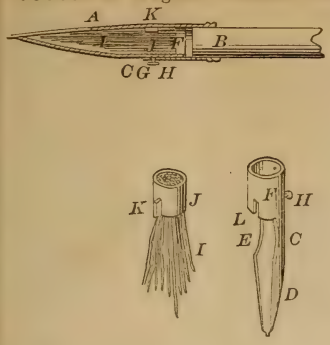
70763—I. Varney—*Carriage Jack.*



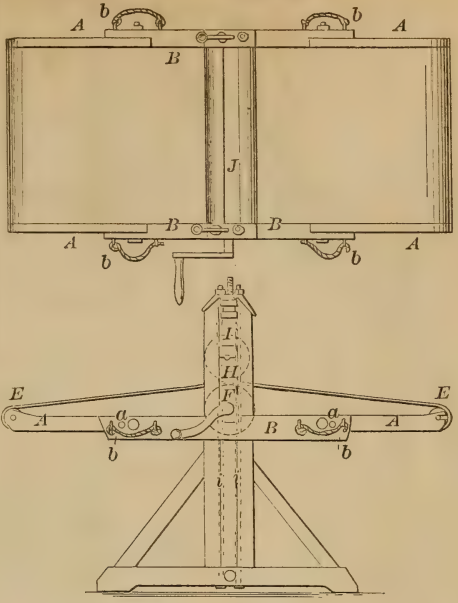
70764—J. Wagner—*Well Tube.*



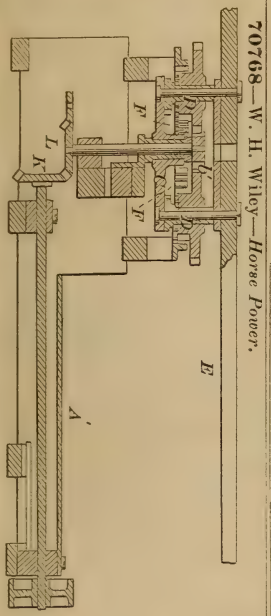
70765—M. Wagner—*Fountain Pen.*



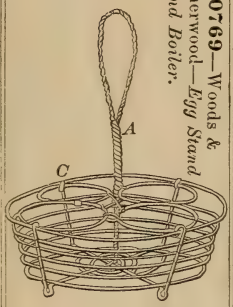
70766—H. Wehdeking—*Mangle.*



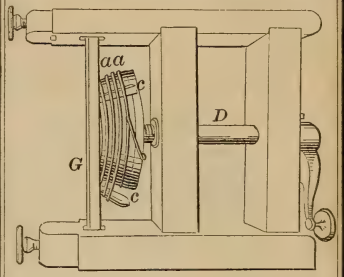
70768—W. H. Wiley—*Horse Power.*



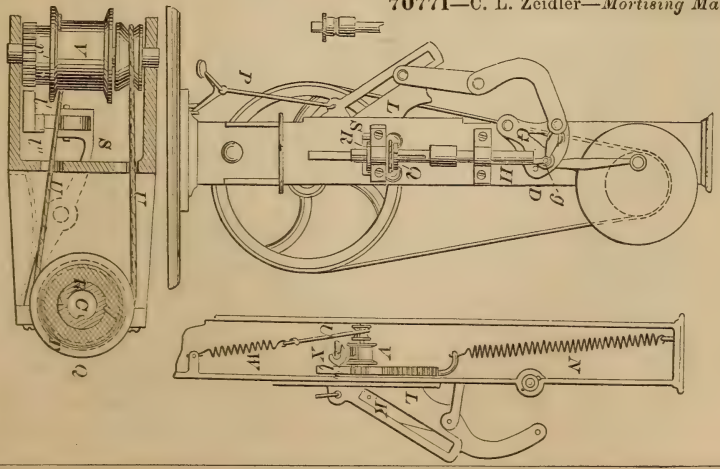
70769—Woods & Sherwood—*Egg Stand and Boiler.*



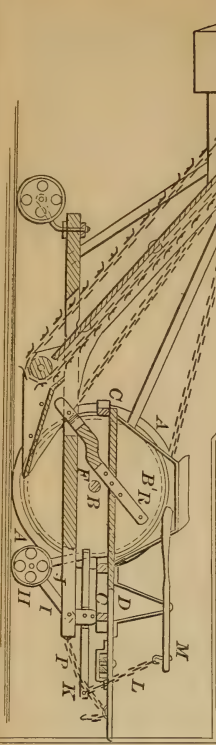
70770—Woods & Sherwood—*For Making Wire Dish Stands, &c.*



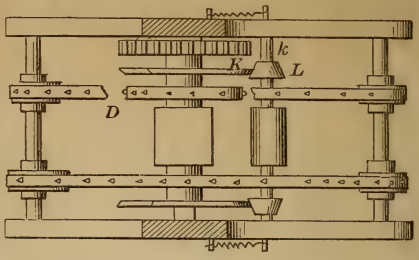
70771—C. L. Zeidler—*Mortising Machine.*



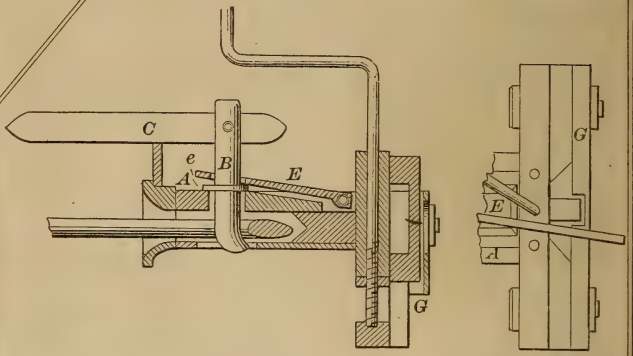
70772—I. V. Adair—*Ditching Machine.*



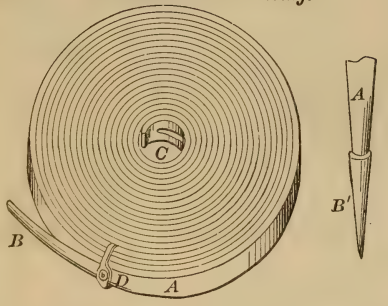
70773—E. Allen—*Printing Press.*



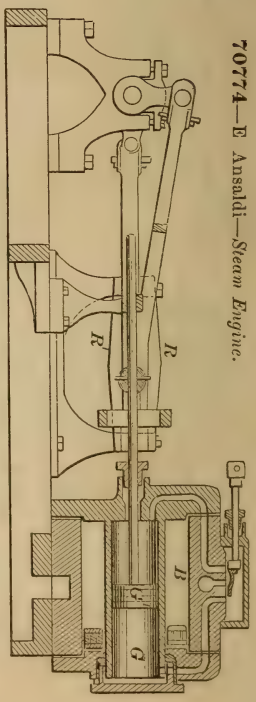
70776—P. Baker—*Car Coupling.*



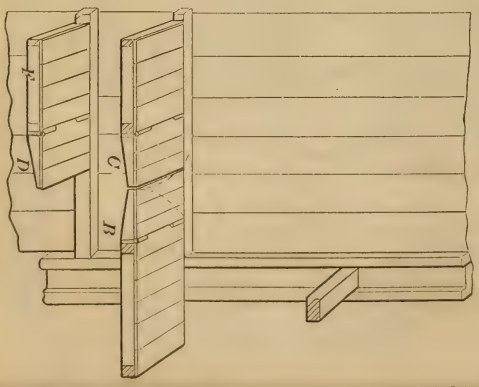
70775—H. C. Babcock—*Belt Lacing.*



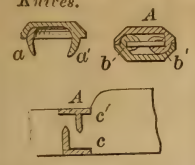
70774—E Ansaldi—*Steam Engine.*



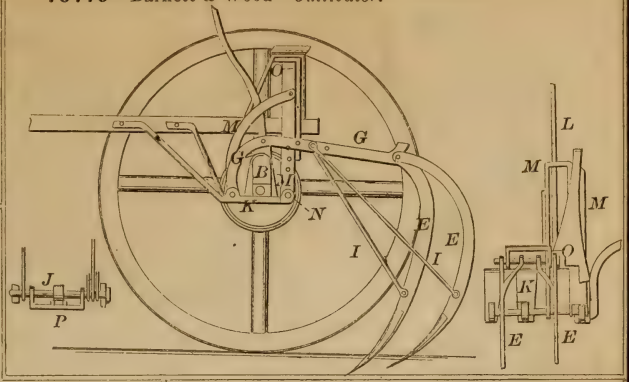
70777—J. S. Baldwin—*Elevator.*

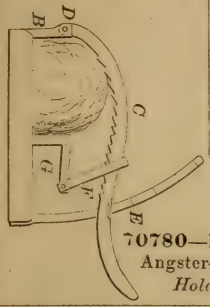


70778—H. Barber—*Attaching Bolsters to Knives.*



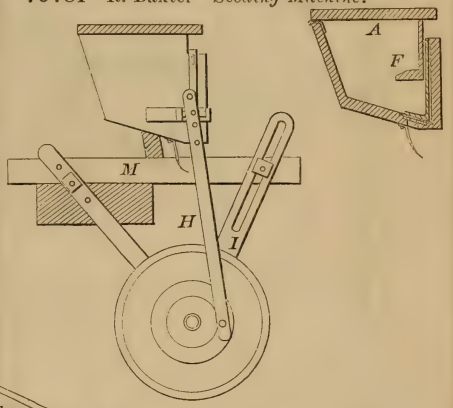
70779—Barnett & Wood—*Cultivator.*



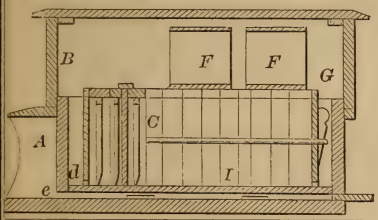


70780—Baumgartner & Angster—*Ham-Slicing Holder.*

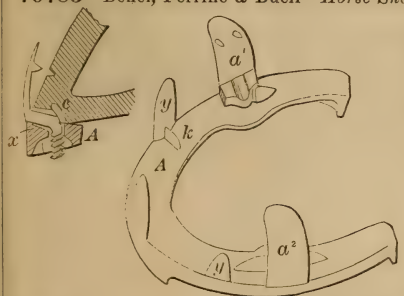
70781—R. Baxter—*Seeding Machine.*



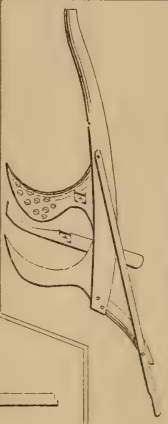
70782—J. M. Beebe—*Beehive.*



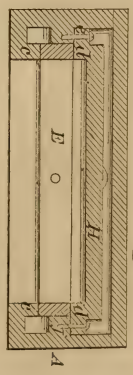
70783—Behel, Perrine & Buell—*Horse Shoe.*

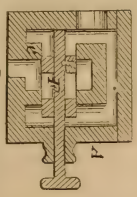


70785—A. C. Belt—*Cultivator.*

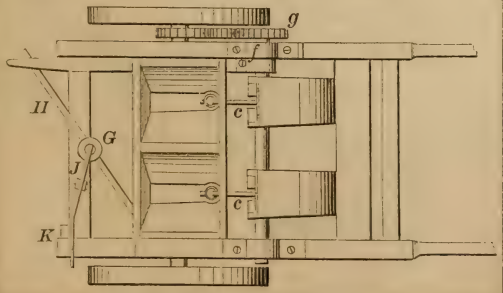


70784—E. H. Bellows—*Steam Engine Slide Valve.*





70786—Bendix & Dietsch—*Potato Planter*



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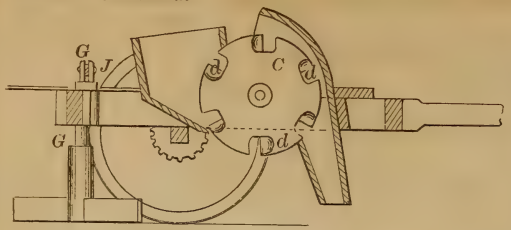
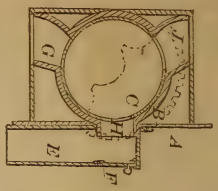
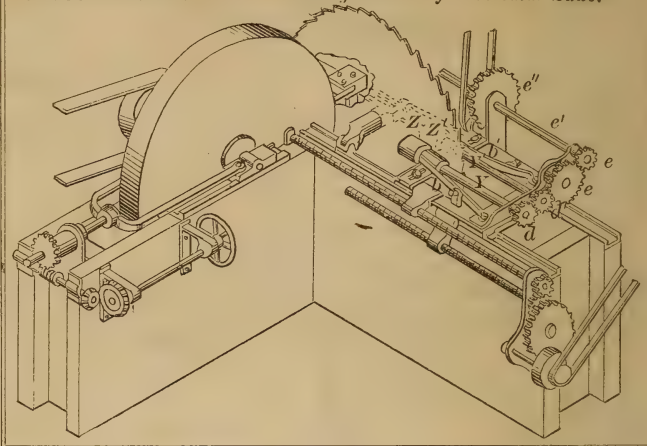


70792—R. Boyd—*House Ventilator.*

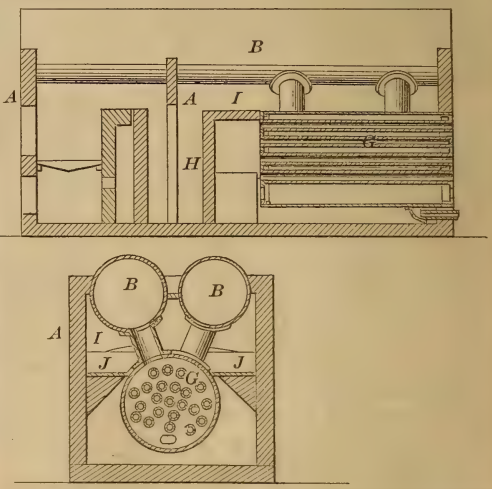


70787—J. S. Birch—*Adjustable Watch Key.*

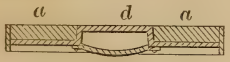
70788—Birch & Sowden—*Grinding Machine for Circular Saws.*



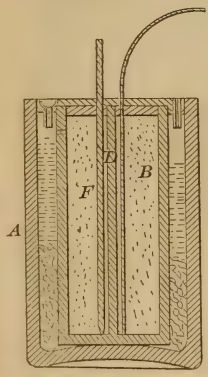
70790—C. T. Boardman—*Setting Steam Boilers.*



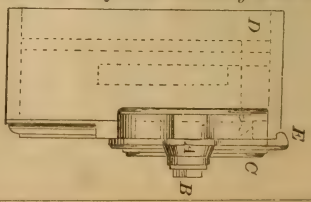
70789—C. Bird—*Barrel Cover.*



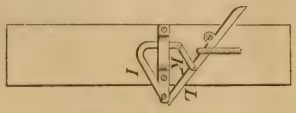
70791—C. Boulay—*Galvanic Battery.*



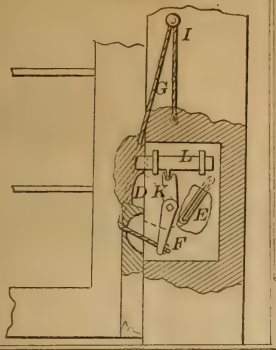
70793—C. B. Boynton—*Railway Axle Box.*



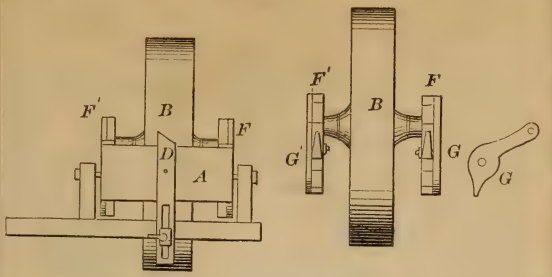
70794—M. J. Briar—*Gate Latch.*



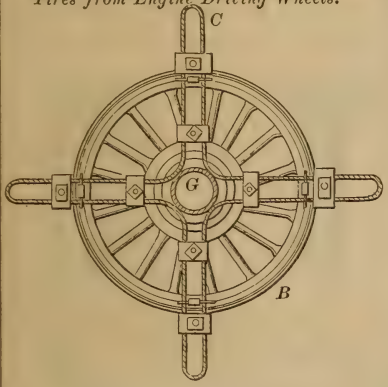
70795—G. Brosius—*Sash Fastener.*



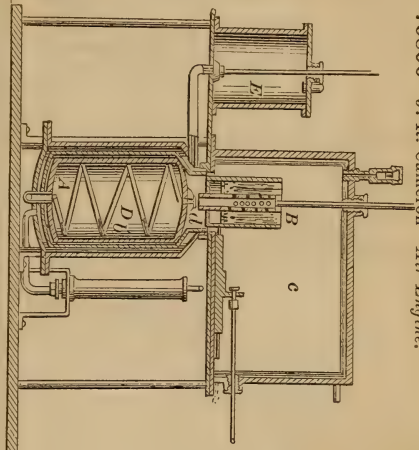
70798—J. Burke—*Harvester.*



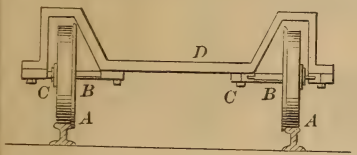
70796—W. H. Bryant—*For Drawing Tires from Engine Driving Wheels.*



70800—J. R. Cameron—*Air Engine.*

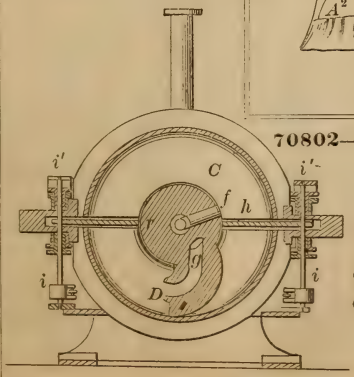


70799—S. S. Burt—*Car Axle.*

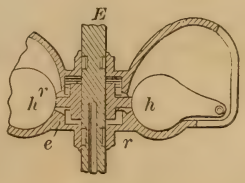


70801—M. M. Cashman—*Infant's Robe.*

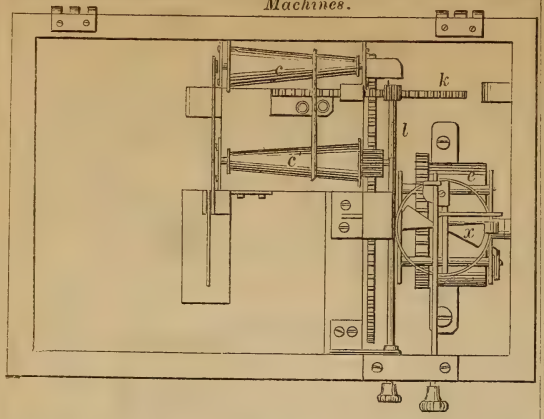
70797—S. A. Budd—*Carriage Top Button Hole.*



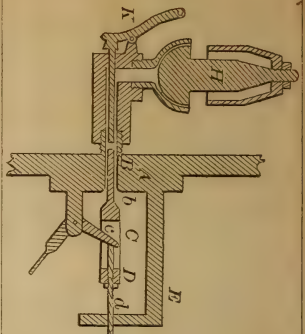
70802—E. Chapman—*Rotary Engine.*



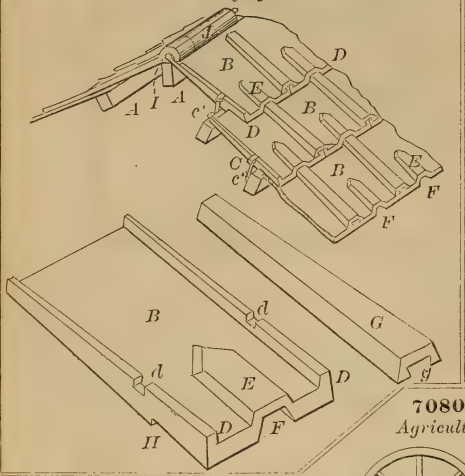
70803—Chapman, Goodspeed & Reed—*Motor for Sewing Machines.*



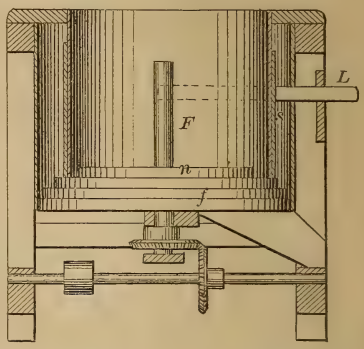
70807—C. F. Cosfeldt, Jr.—*Low Water Detector.*



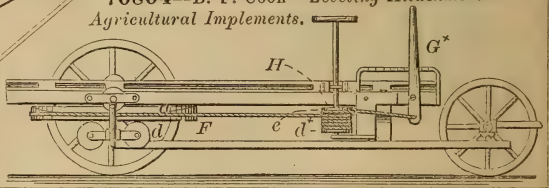
70805—G. Cook—*Roofing.*



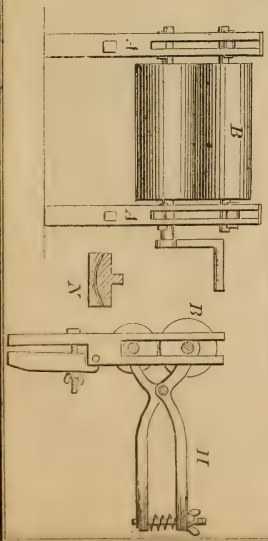
70806—J. Cornwell—*Silent Bolt Feeder.*



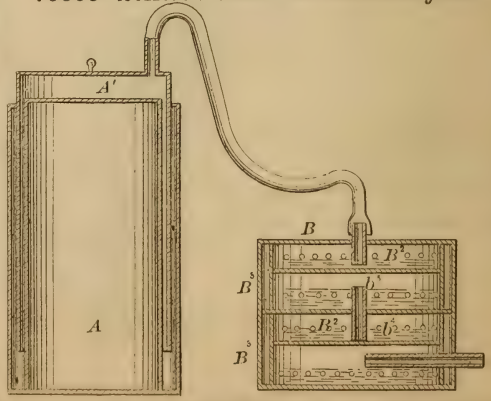
70804—B. F. Cook—*Leveling Attachment to Agricultural Implements.*



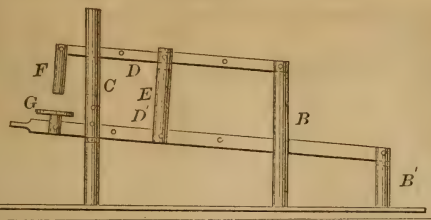
70808—E. H. Covel—*Clothes Wringer.*



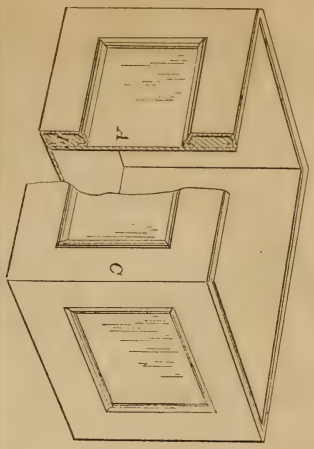
70809—Cozzens & Jones—*For Carburetting Air.*



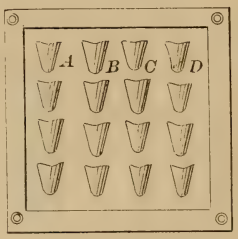
70810—E. J. Crane—*Cheese Press.*

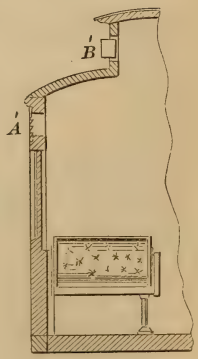


70811—M. H. Crane—*Sheet Metal Box.*

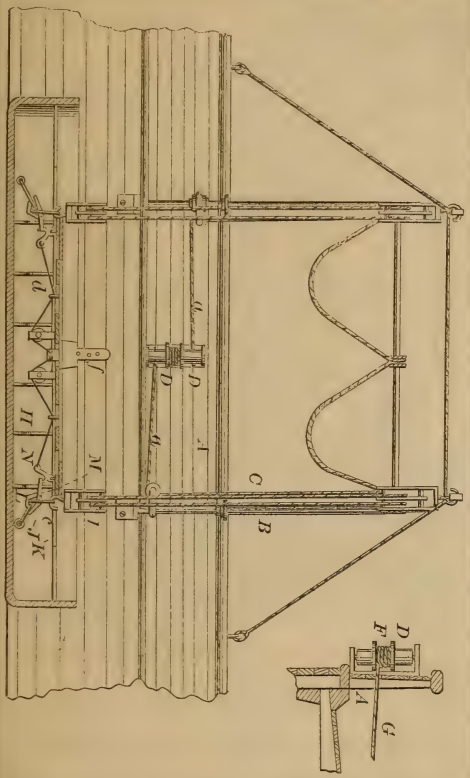


70812—W. G. Creamer—*Ventilating Device for Railroad Cars.*

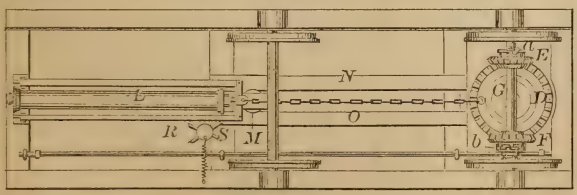


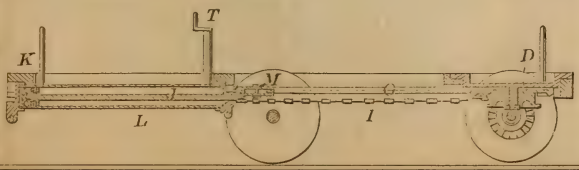


70813—A. F. Crosman—*Boat Hoisting Apparatus.*

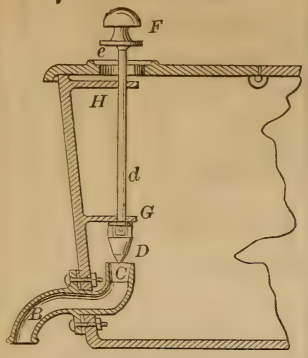


70814—A. G. Crossman—*Starting and Stopping Cars.*





70815—J. B. Crowley—*Faucet for Stove Reservoirs.*



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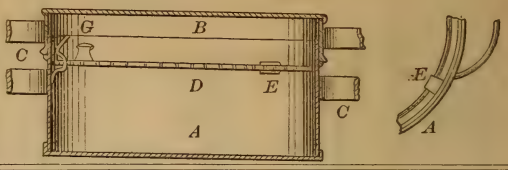
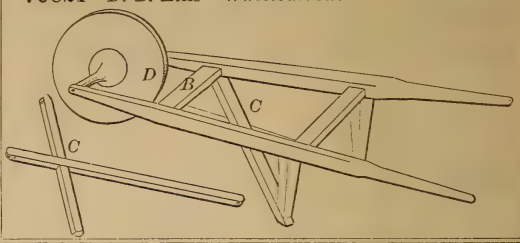
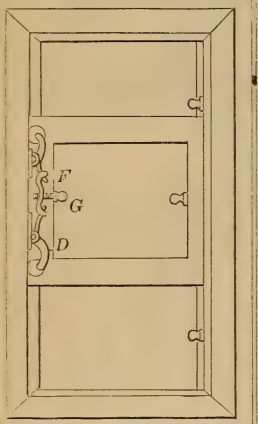


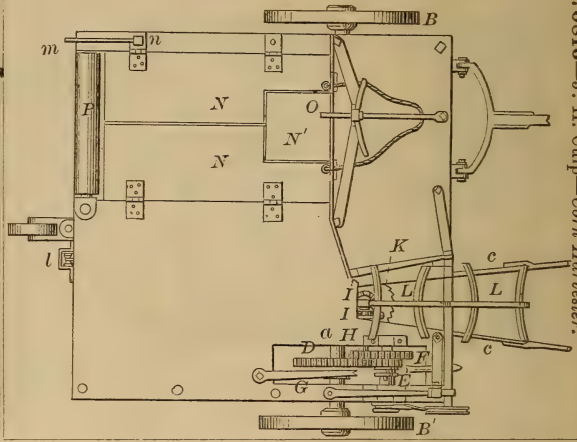
70821—D. B. Ellis—*Wheelbarrow.*



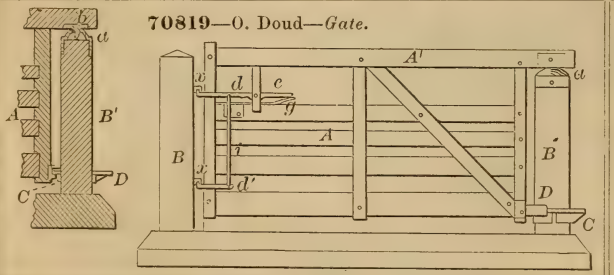
70818—A. Cutter—*Sash Supporter and Fastener.*



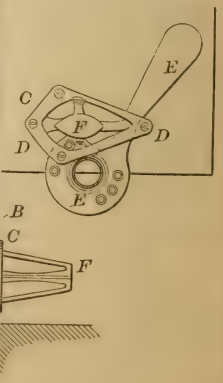
70816—J. H. Culp—*Corn Harvester.*



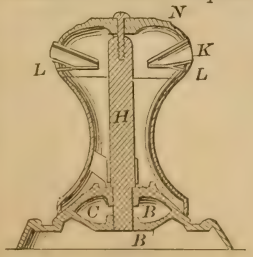
70819—O. Doud—*Gate.*

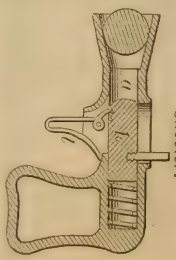


70823—C. J. Fisher—*Door Holder.*



70820—J. Edson—*Capstan.*

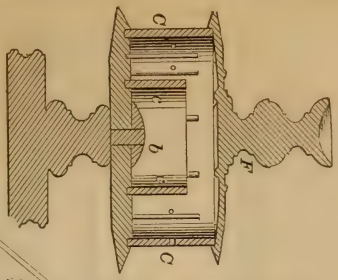




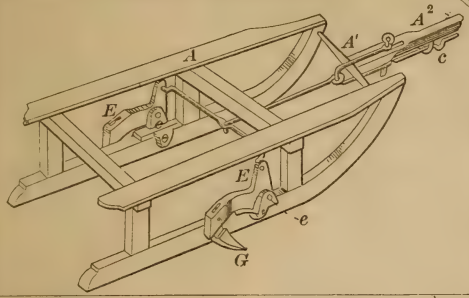
70822—W. F. Falls—*Marble Shooter.*

70824—I. Fiske—*Crook for Musical Instruments.*

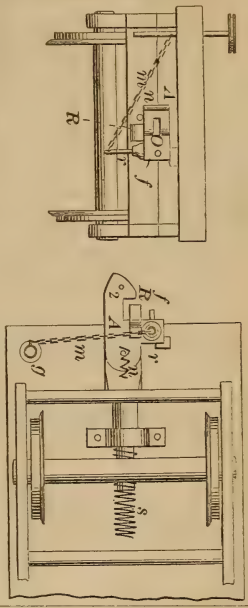
70825—J S. Fletcher—*Work Box.*



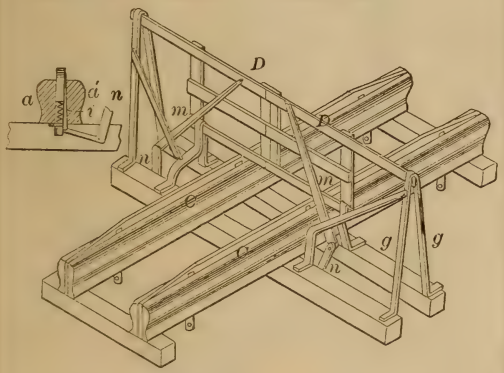
70827—C. Gardiner—*Sleigh Brake.*



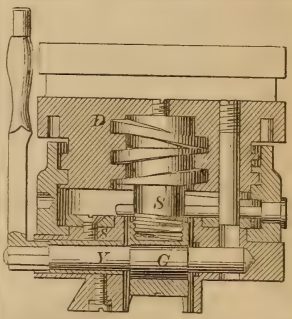
70829—S. Gissinger—*Car Coupling.*



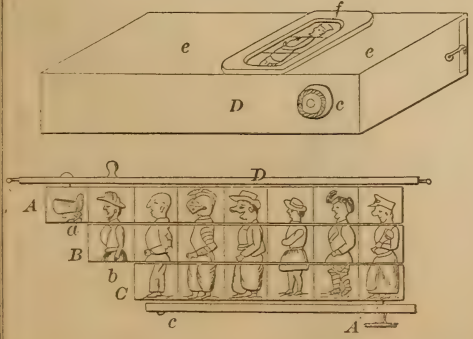
70828—E. K. Gardner—*Railroad Gate.*



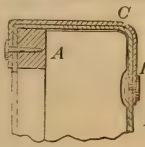
70830—W. Gleason—*Tool Rest.*



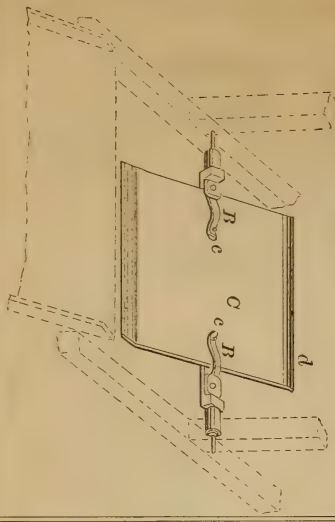
70831—E. A Goodes—*Metamorphoscope.*



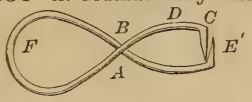
70832—N. Groel—*Traveling Bag and Valise.*



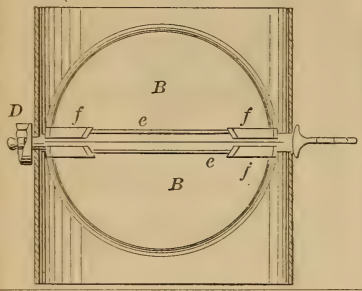
70833—J. J. Groshans—*Paper Rolling Machine.*



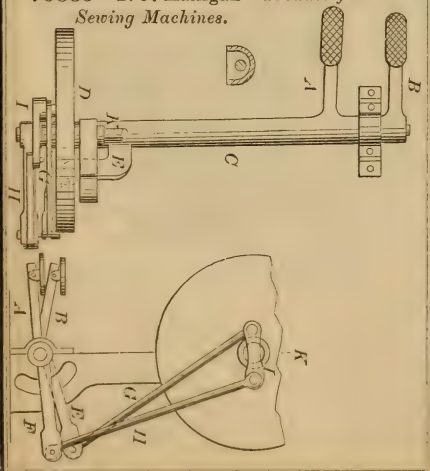
70834—A. Grushus—*Tag Holder.*



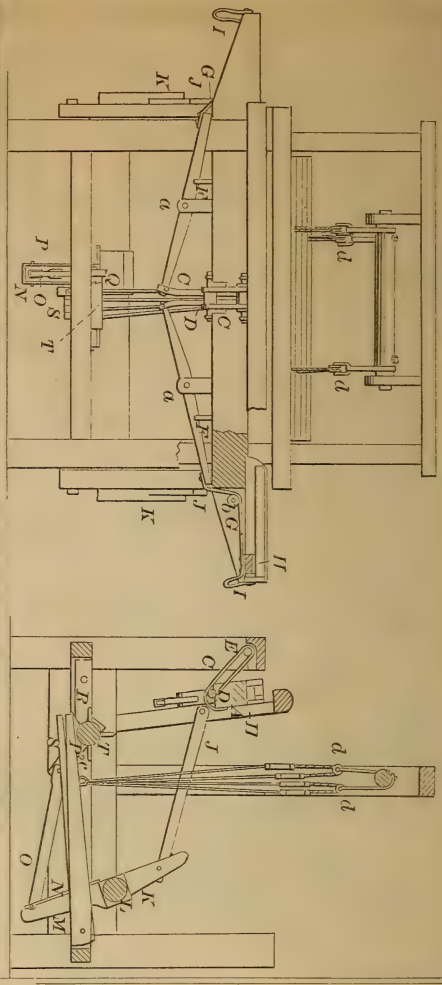
70836—G. B. Halsted—*Stove Pipe Damper.*



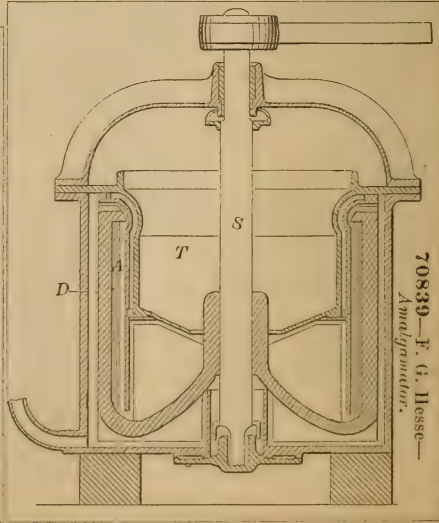
70835—T. J. Halligan—*Treadle for Sewing Machines.*



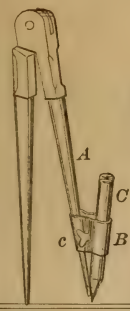
70837—M. McD. Hankins—*Loom.*



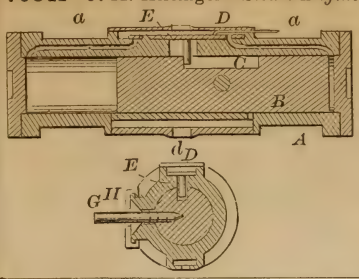
70839—F. G. Hesse—*Amalgamator.*



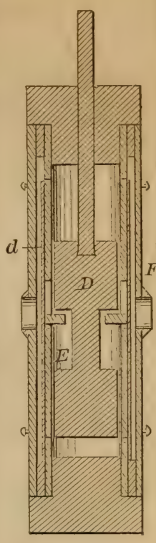
70840—W. G. Hillegass—*Pencil Holder.*



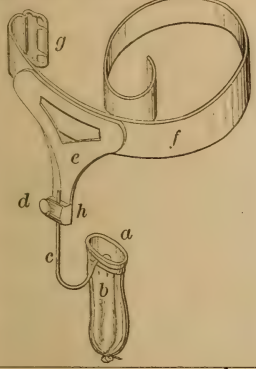
70841—J. M. Hirlinger—*Steam Engine.*



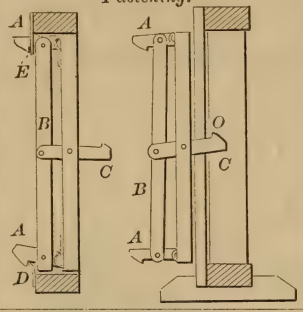
70842—J. M. Hirlinger—*Pump.*



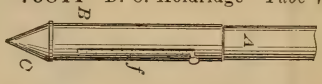
70843—S. L. Hockert—*Menstrual Receiver.*



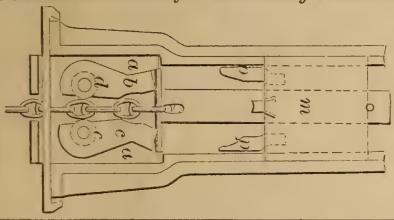
70846—N. Hornaday—*Door Fastening.*



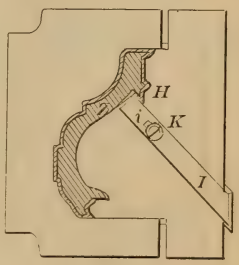
70844—D. C. Holdridge—*Tube Well.*

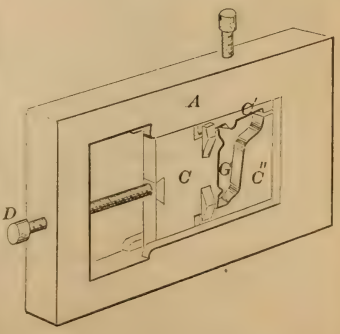


70845—A. Homfray—*For Making Chain Links.*

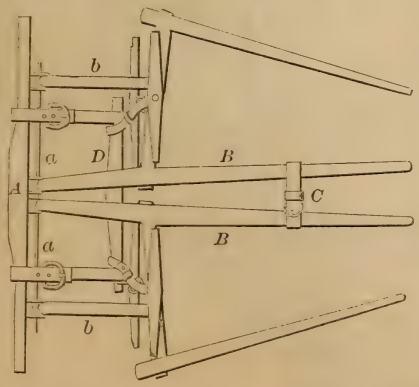


70847—R. Howdon—*Moulding Facing Machine.*

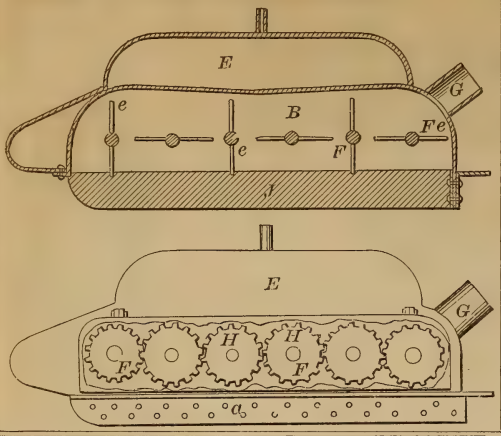




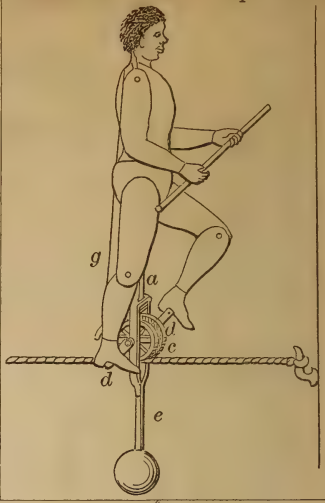
70848—A. H. Howe—*Self-Adjusting Thill.*



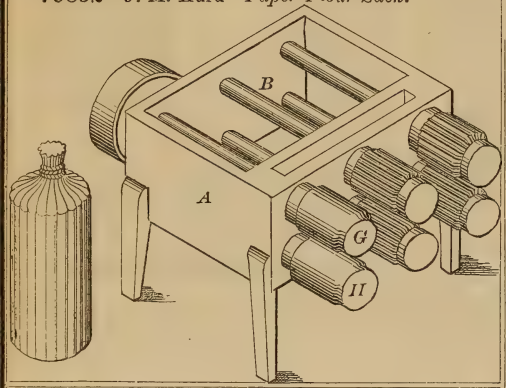
70849—G. Howell—*For Filling Marshes.*

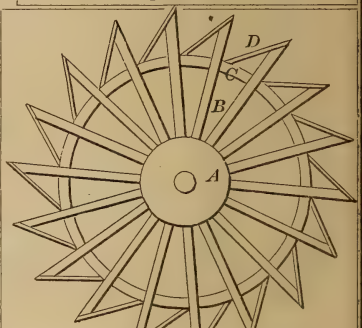


70850—W. Humans—*Rope Dancer.*



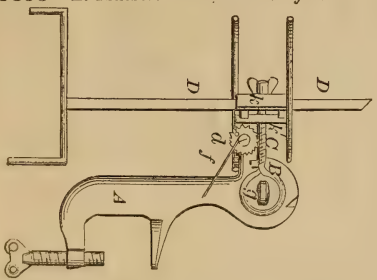
70852—J. M. Hurd—*Paper Flour Sack.*



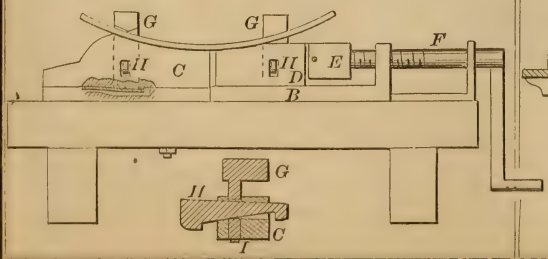


70851—W. Hunter—*Paddle Wheel.*

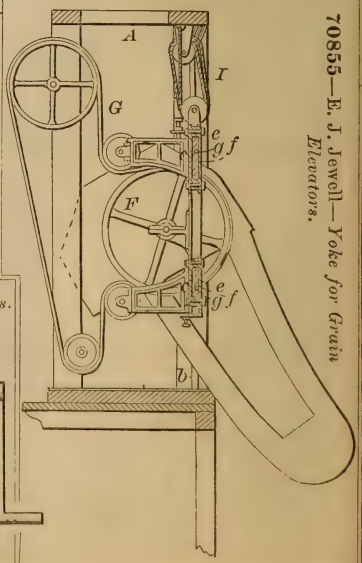
70853—E. Hutson—*Reel and Swifts.*



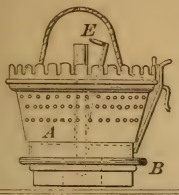
70854—J. B. & M. R. Jackson—*For Shrinking Tires.*



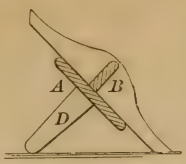
70855—E. J. Jewell—*Yoke for Grain Elevators.*



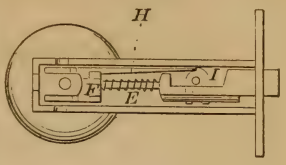
70856—M. Jincks—*Lamp.*



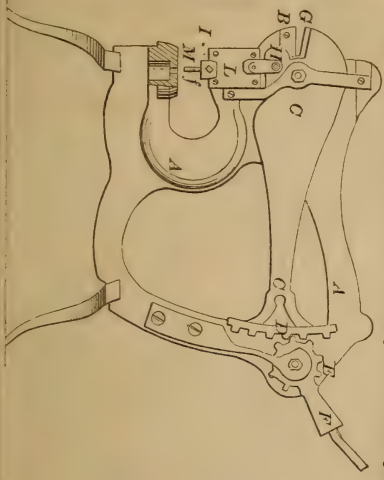
70859—F. Ketcham—*Sheep Trough.*



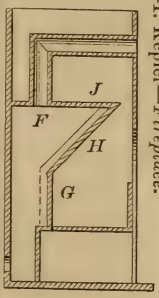
70860—E. King—*Door Latch.*



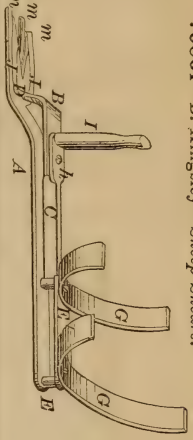
70857—J. C. Jordan—*For Punching and Shearing.*



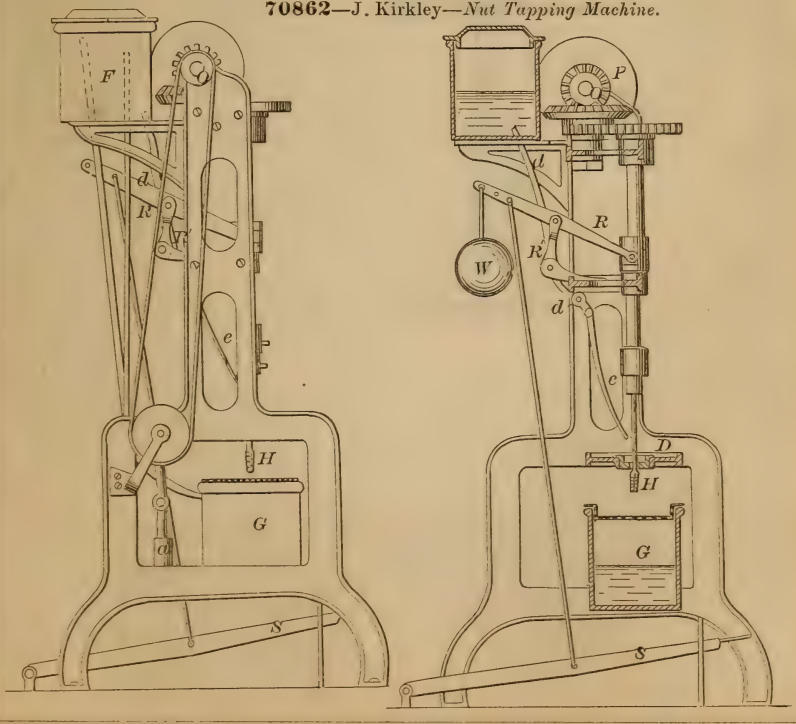
70858—I. Kepler—*Fireplace.*



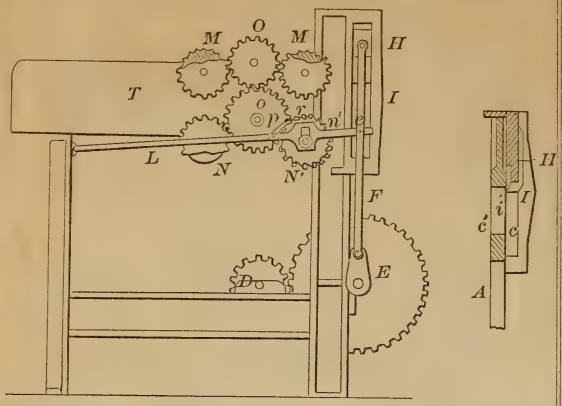
70861—B. Kingsley—*Sheep Shears.*



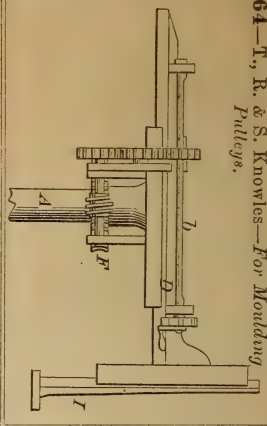
70862—J. Kirkley—*Nut Tapping Machine.*



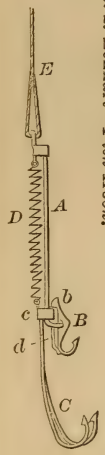
70863—A. L. Knight—*For Cutting Paper Stock.*



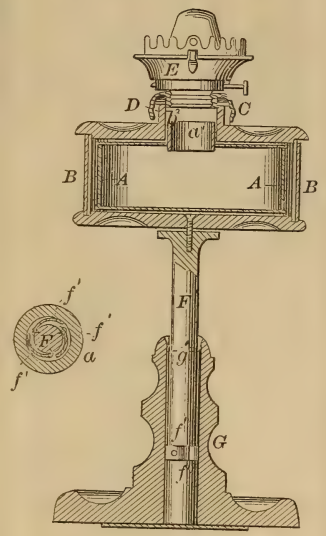
70864—T., R. & S. Knowles—*For Moulding Pulleys.*



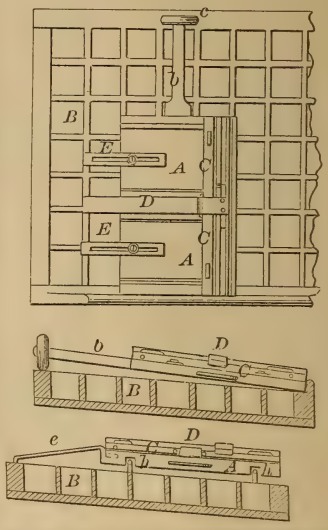
70868—A. I. Lenhart—*Fish Hook.*



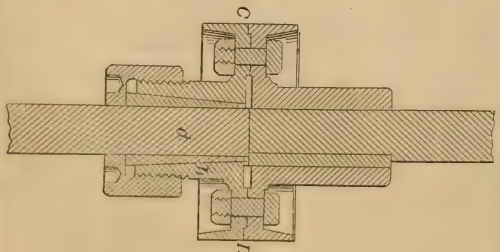
70867—J. Lee—*Lamp.*



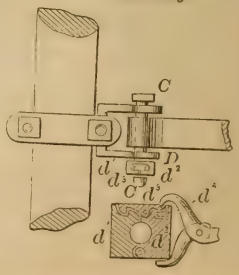
70865—P. A. La France—*Compositors' Copy Holder.*



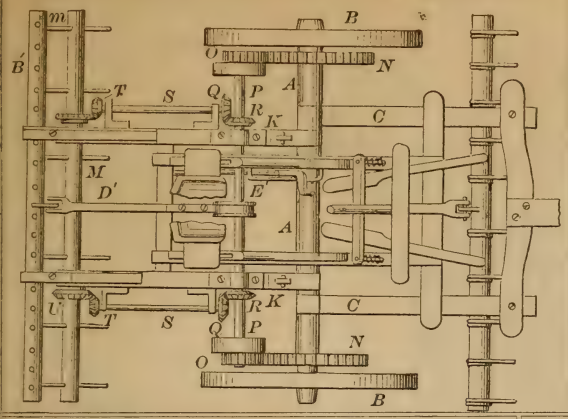
70869—W. E. London—*Shaft Coupling.*



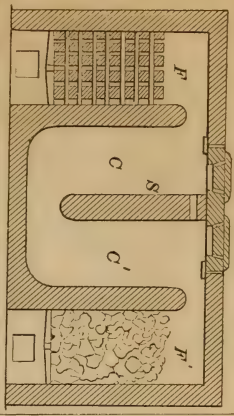
70866—V. Lapham—*Bolt Fastening.*



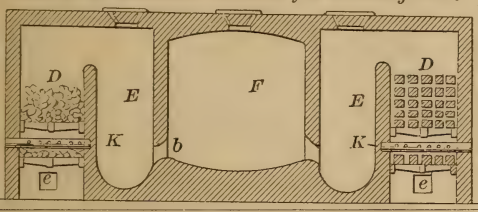
70870—J. M. Low—*Horse Rake and Hay Spreader.*



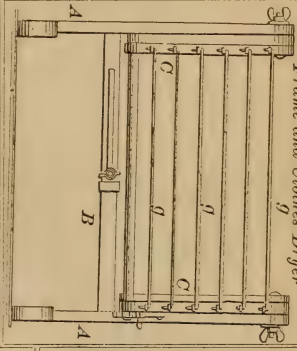
70874—J. Maunton—*Heating Furnace.*



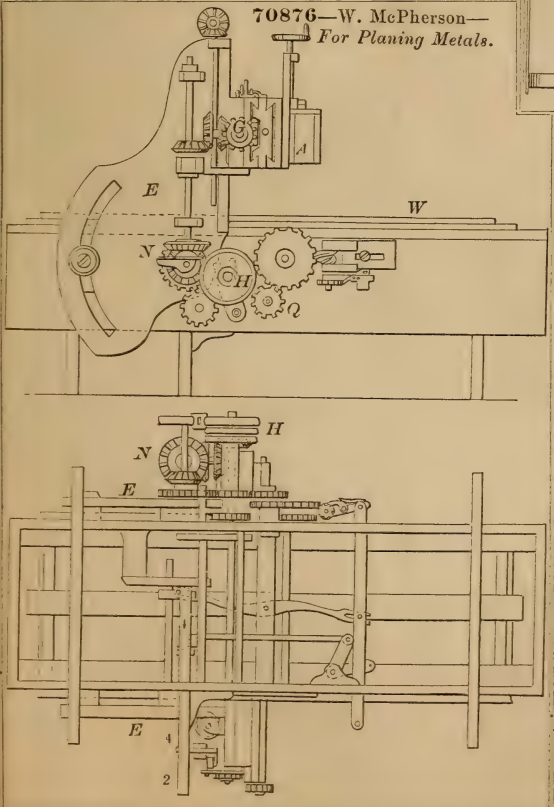
70873—J. Maunton—*Furnace for Reducing Ores.*



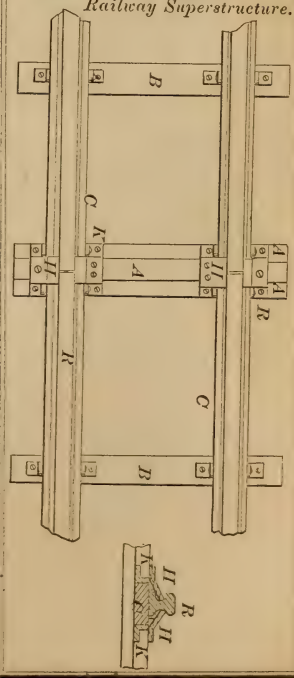
70871—Mallory & Fish—*Quilting Frame and Clothes Dryer.*



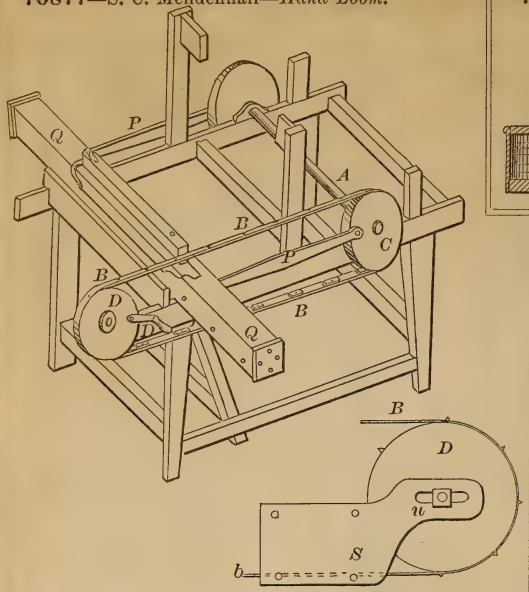
70876—W. McPherson—*For Planing Metals.*



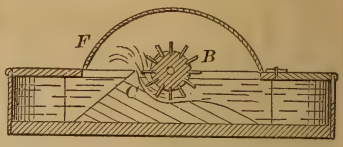
70875—J. A. Maxwell—*Railway Superstructure.*



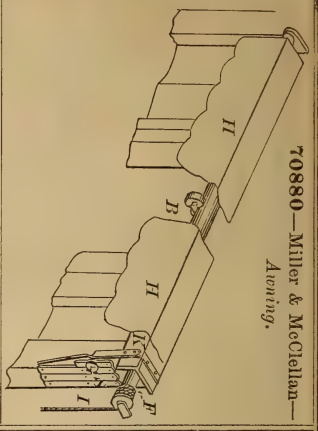
70877—S. C. Mendenhall—*Hand Loom.*



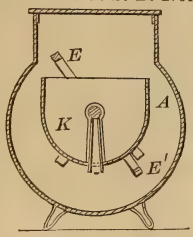
70878—S. T. Merrill—*Bleaching Stock for Paper.*

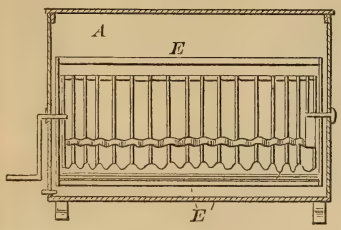


70880—Miller & McClellan—*Awning.*

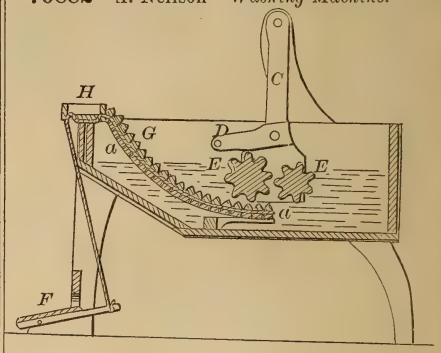


70883—E. & J. S. B. Norton—*Dish Washer.*

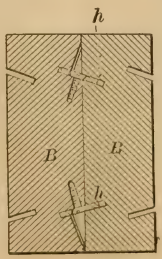




70882—A. Neilson—*Washing Machine.*

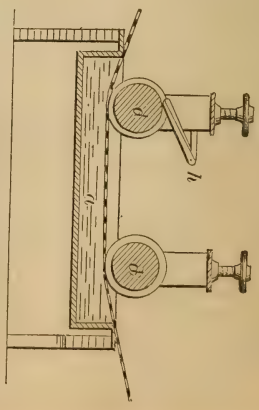


70879—E. Mets—*Slide for for Extension Tables.*

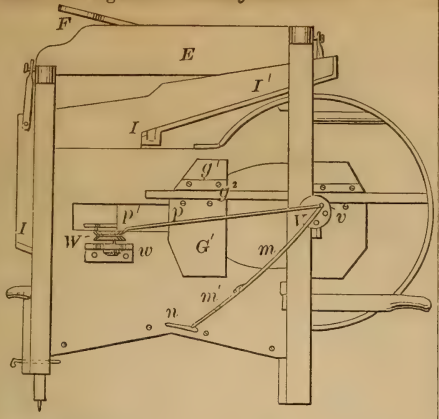


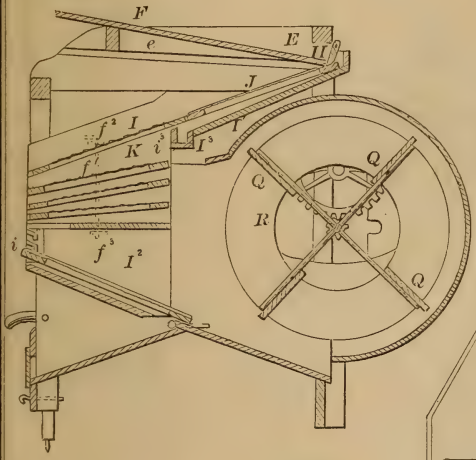
70884—W. R. Oatley—*Hook for Travelers.*

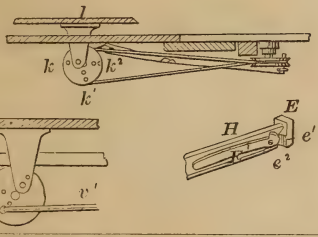
70881—J. H. Monk—*For Tempering Skirt Wire.*



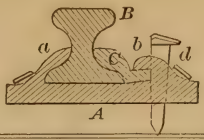
70885—H. Ogborn—*Fanning Mill.*



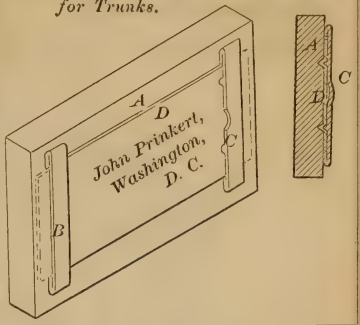




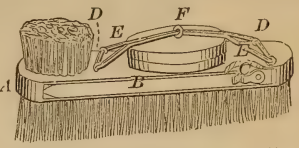
70886—N. F. Page—*Railway Chair.*



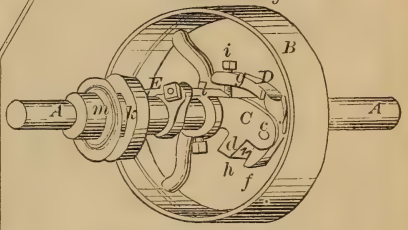
70887—W L. Paine—*Card Holder for Trunks.*



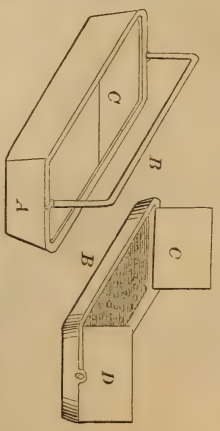
70889—C. A. Paret—*Blacking Brush.*



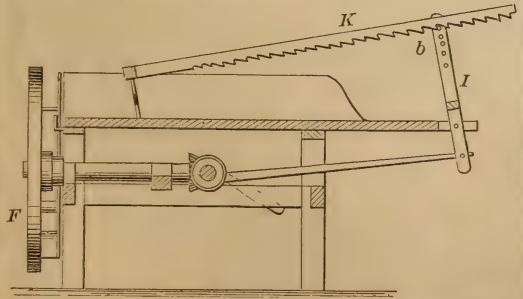
70888—C. D. Palmiter—*Friction Clutch Pulley.*



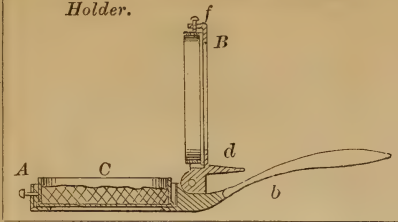
70890—D. E. Paris—*Ash Sifter.*



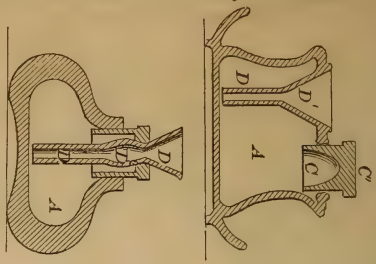
70891—H. Parks—*Straw Cutter.*



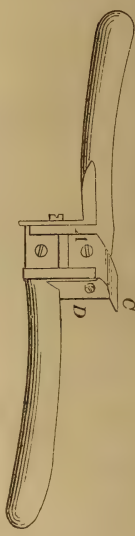
70892—T. K. Payson—*Blacking Box Holder.*



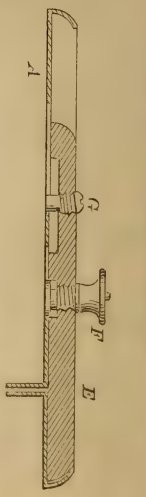
70893—S. & J. J. Perry—*Inkstand.*



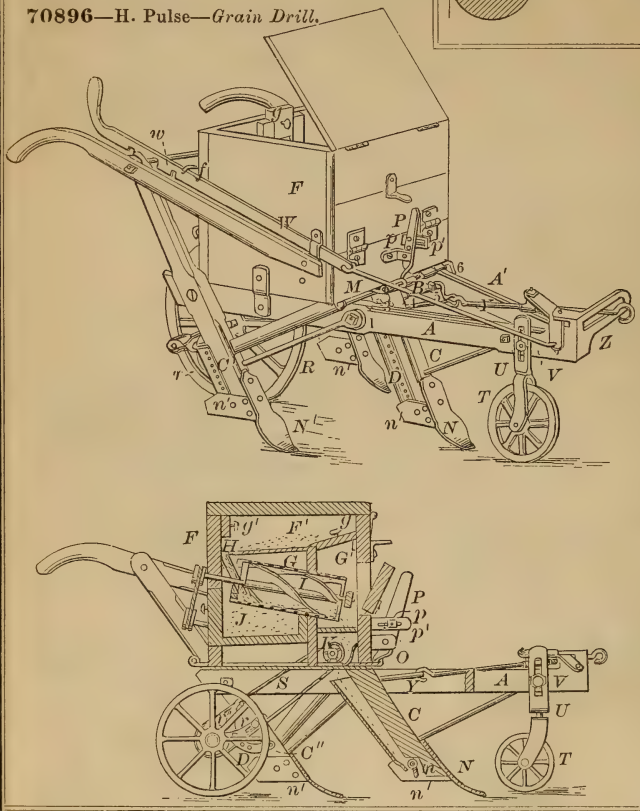
70894—J. F. Plummer—*Edge Plane.*



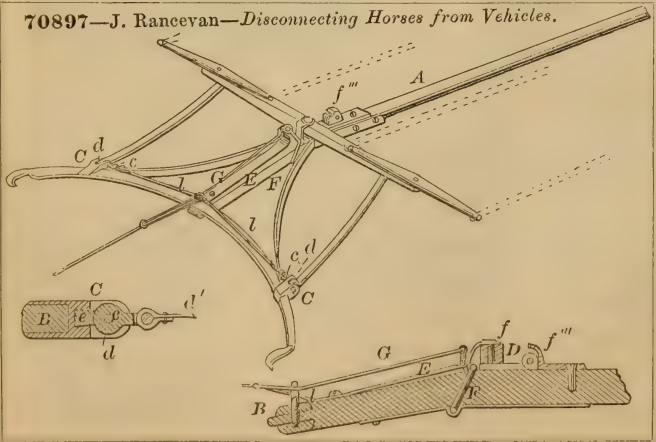
70895—G. A. Pridham—*Door Bolt.*



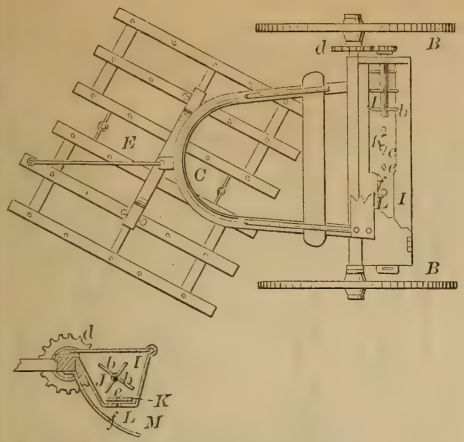
70896—H. Pulse—*Grain Drill.*



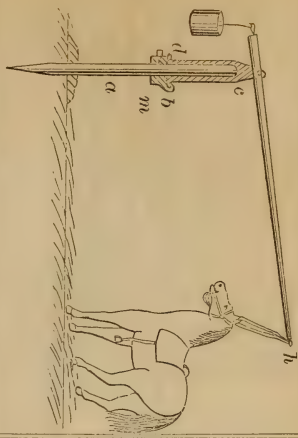
70897—J. Rancevan—*Disconnecting Horses from Vehicles.*

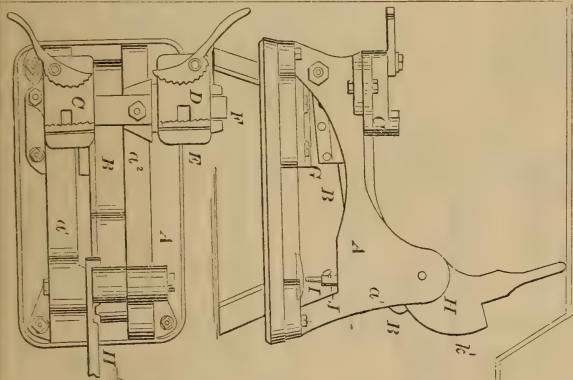


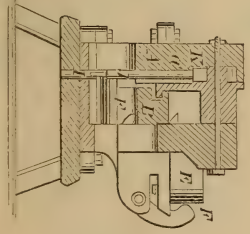
70898—B. Randall—*Harrow and Seeder.*



70899—D. W. Rawson—*For Tethering Animals.*

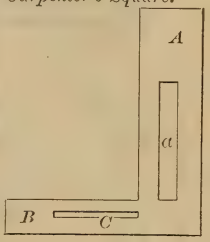




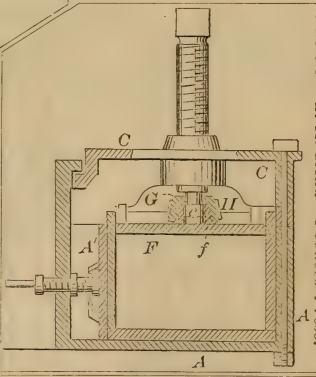


70902—J. J. Rose—*For Cutting, Punching and Upsetting Iron.*

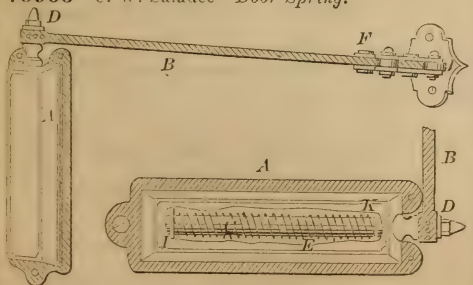
70901—O. H. P. Robinson—*Carpenter's Square.*



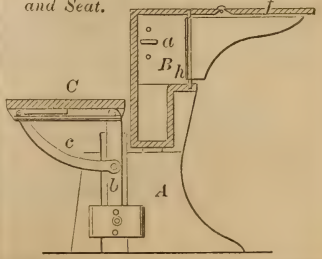
70900—T. A. Read—*Tobacco Press.*



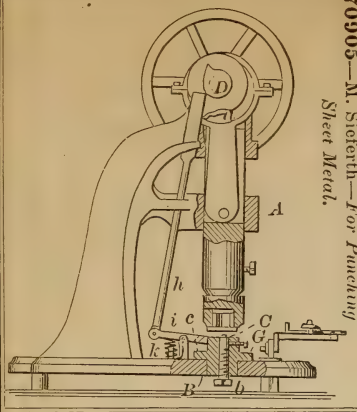
70903—C. W. Saladee—*Door Spring.*



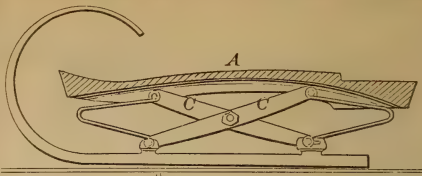
70904—J. P. Scott—*School Desk and Seat.*



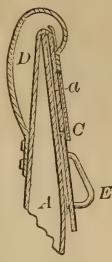
70905—M. Sieferth—*For Punching Sheet Metal.*



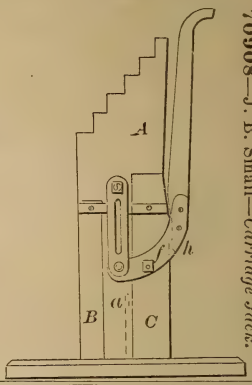
70906—G. W. Shearer—*Skate.*



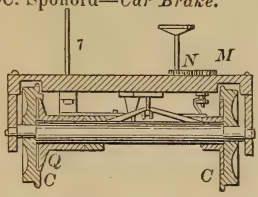
70907—L. M. Sims—*Mail Bag.*

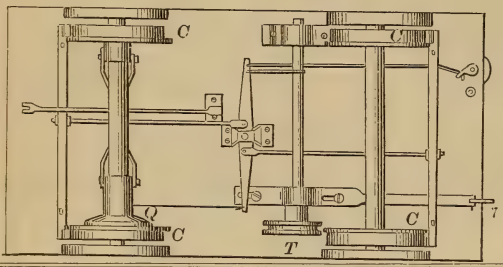


70908—J. B. Small—*Carriage Jack.*

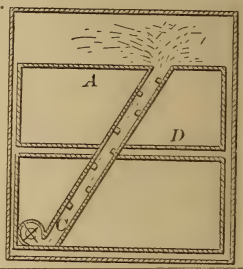


70911—C. Spofford—*Car Brake.*

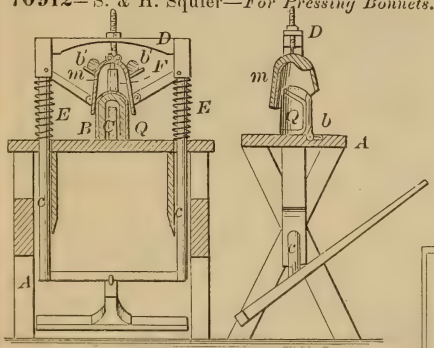




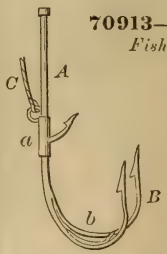
70909—D. E. Somes—*Cooling Air.*



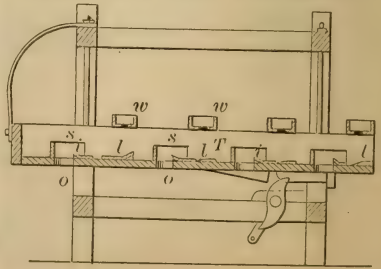
70912—S. & H. Squier—*For Pressing Bonnets.*



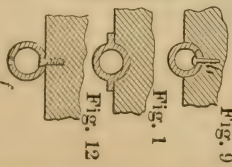
70913—E. Sterling—*Fish Hook.*



70914—W. C. Stiles—*Gold Separator.*



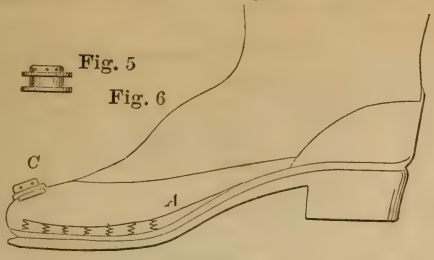
70910—D. E Somes—*Packing for Door Joints.*



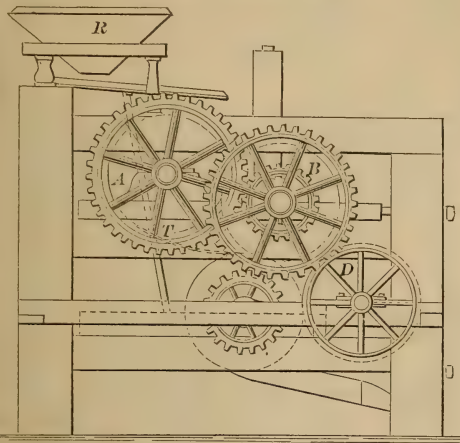
70915—A. Stocker—*Ventilating Boots and Shoes.*

Fig. 5

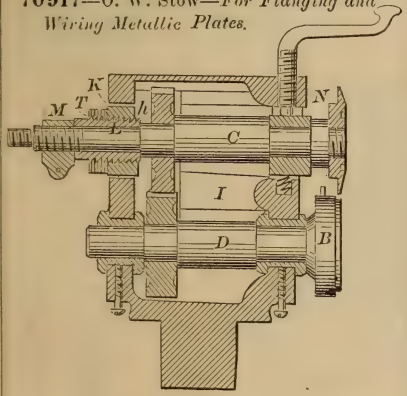
Fig. 6



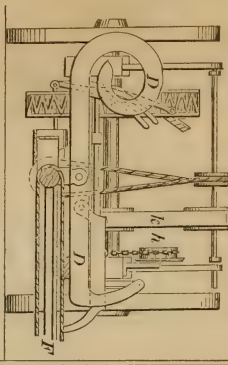
70916—G. M. Stone—*Grinding Mill.*



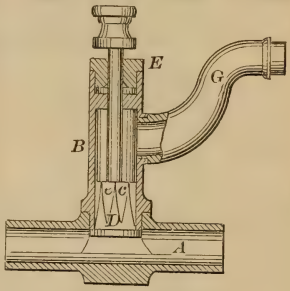
70917—O. W. Stow—*For Flanging and Wiring Metallic Plates.*



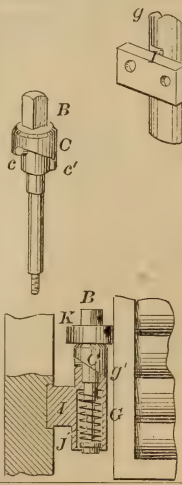
70918—A. W. Tucker—*Harvester.*



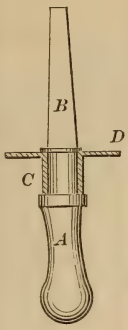
70919—J. E. Tucker—*Faucet.*



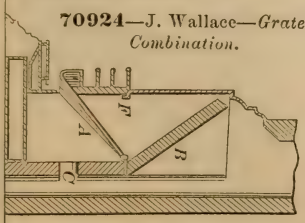
70921—C. Vetter—*Self-Closing Hinge.*



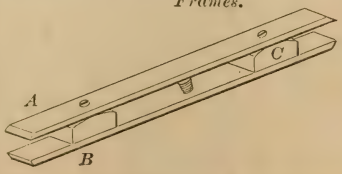
70923—T. D. Voorhees—*Screw Driver.*



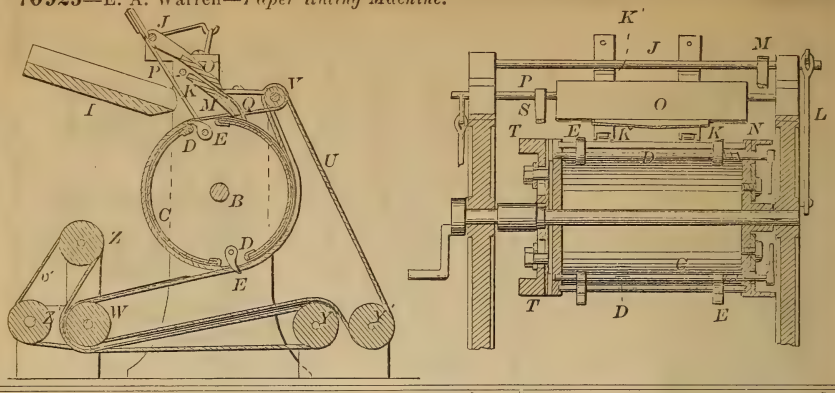
70924—J. Wallace—*Grate Combination.*



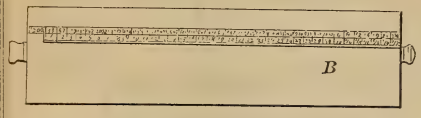
70922—A. S. Villee—*Clamp for Harness Frames.*



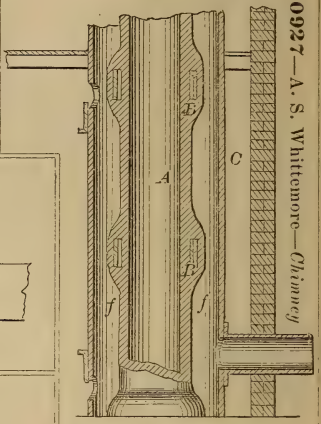
70925—E. A. Warren—*Paper Ruling Machine.*



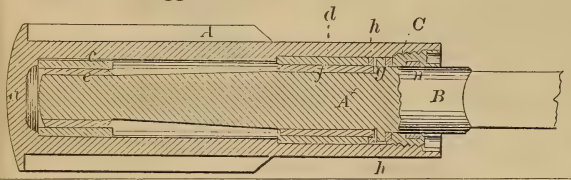
70926—W. N. White—*Wages Indicator.*



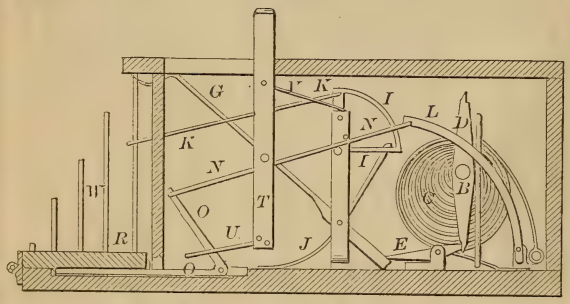
70927—A. S. Whittemore—*Chimney.*



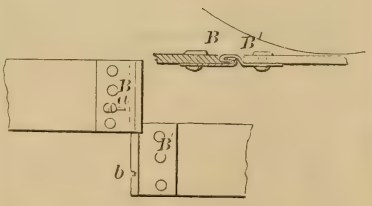
70928—D. Wigger—*Axle and Axle Box.*



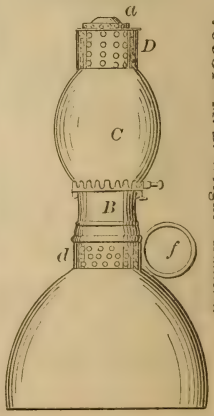
70929—A. Wilkin—*Self-Setting Game Trap.*



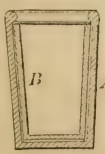
70930—D. Wigger—*Belt Fastener.*



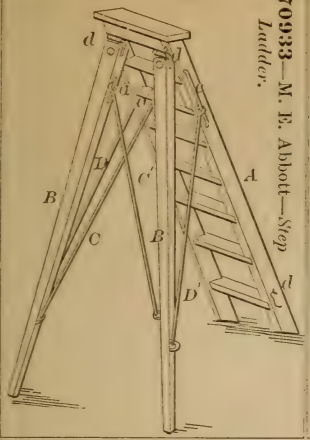
70931—M. B. Wright—*Lantern.*



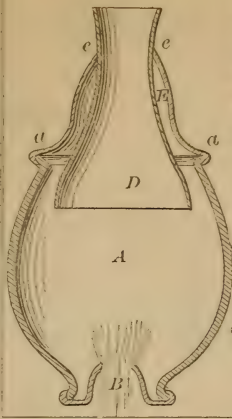
70932—J. E. Zender—*Dice Box.*



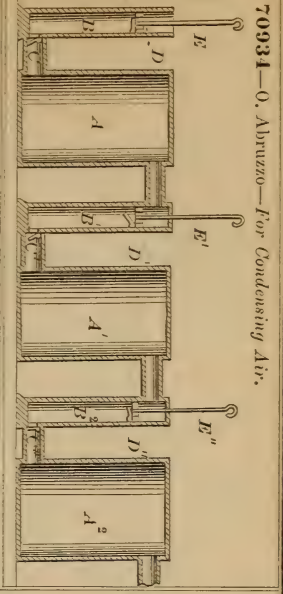
70933—M. E. Abbott—*Step Ladder.*



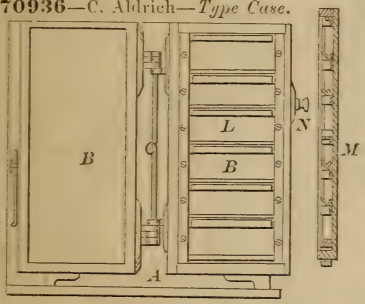
70935—E. R. Addison—*Lamp Chimney.*



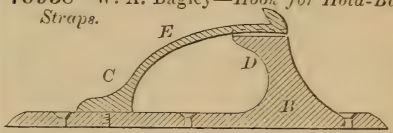
70934—O. Abruzzo—*For Condensing Air.*



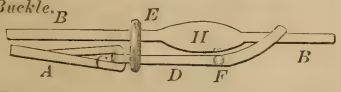
70936—C. Aldrich—*Type Case.*



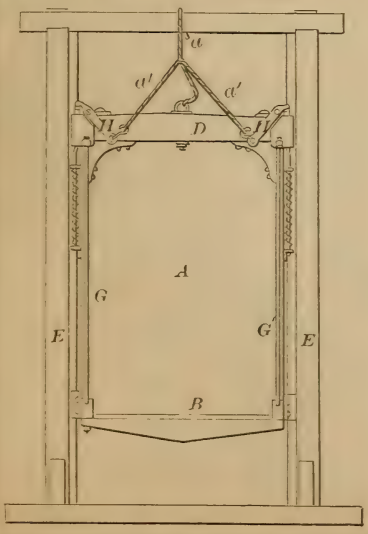
70938—W. A. Bagley—*Hook for Hold-Back Straps.*



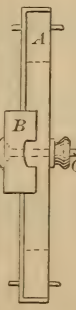
70940—Bailey & Nichols—*Harness Buckle.*



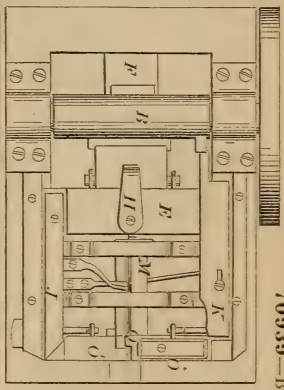
70941—C. W. Baldwin—*Elevator.*

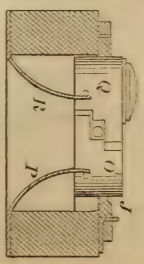


70937—M. C. Ames—*Joiner's Gauge.*

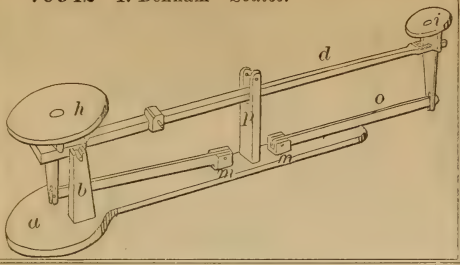


70939—Bailey & Knowles—*Bolt Machine.*

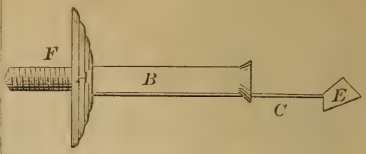


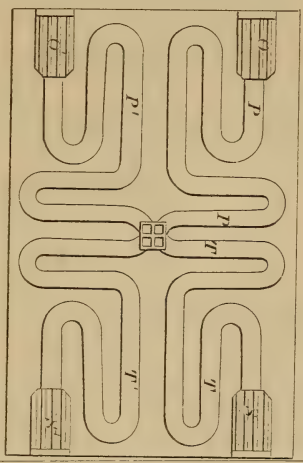


70942—I. Benham—*Scales.*

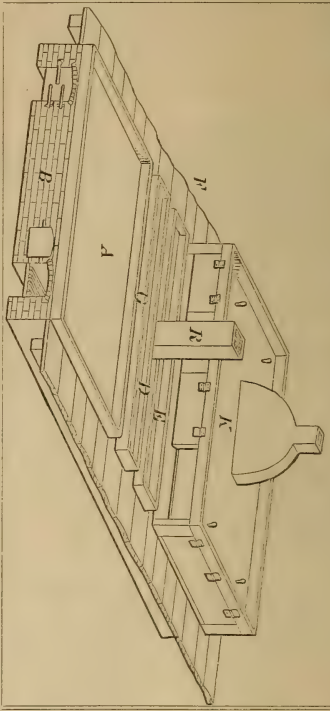


70945—A. Blood, Jr.—*Door Catch.*

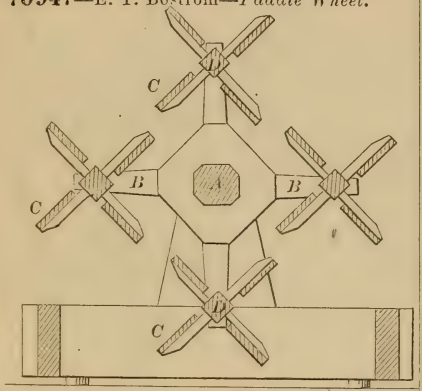




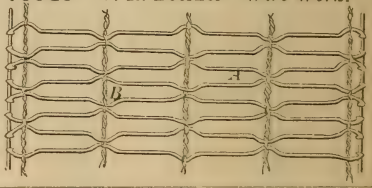
70943—H. Beschkee—*For Manufacture of Salt.*



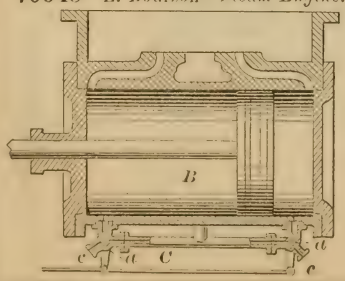
70947—E. T. Bostrom—*Paddle Wheel.*

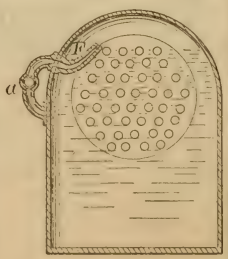


70946—W. R. Boerner—*Wire Work.*

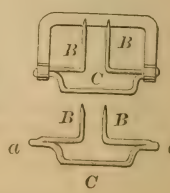


70948—E. Bourson—*Steam Engine.*

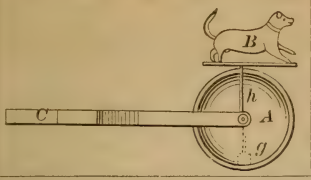




70944—E. C. Blakeslee—*Buckle.*

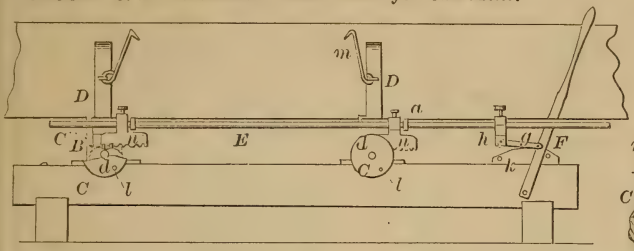


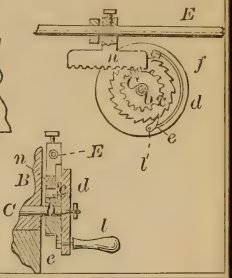
70949—G. W. Boynton—*Toy.*



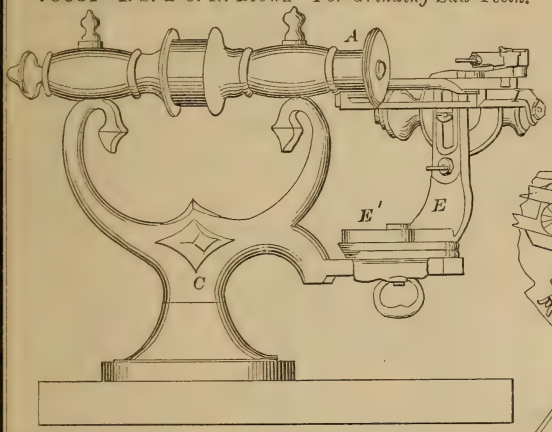
70952—O. Brück—*Fan.*

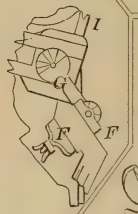
70950—C. H. Brookbank—*Head Block for Saw Mills.*





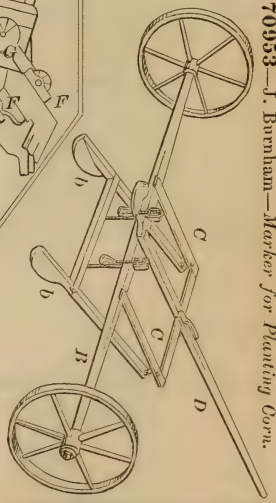
70951—I. S. & C. N. Brown—*For Grinding Saw Teeth.*





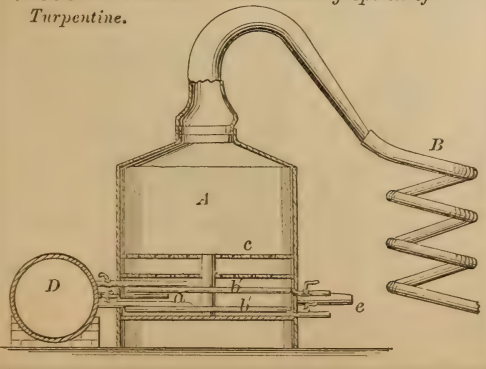
70955—J. & J. Cash, Jr.—*Towel.*

70953—J. Burnham—*Marker for Planting Corn.*

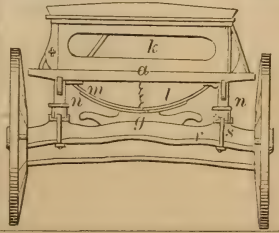


70954—I. Carman—*Horse Shoe.*

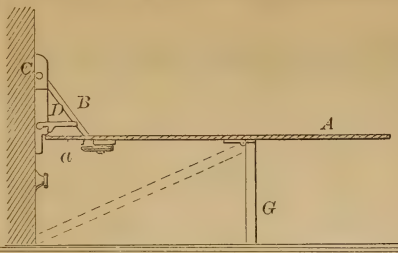
70956—D. Cashwell—*For Distilling Spirits of Turpentine.*



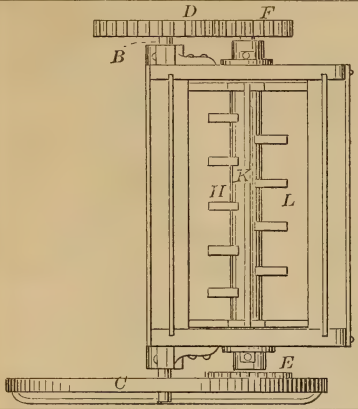
70957—S. Chamberlin—*Wagon.*



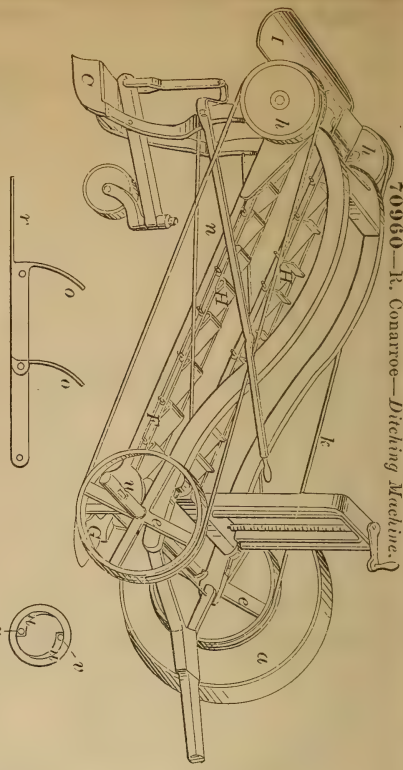
70958—A. A. Chittenden—*Ironing Table.*



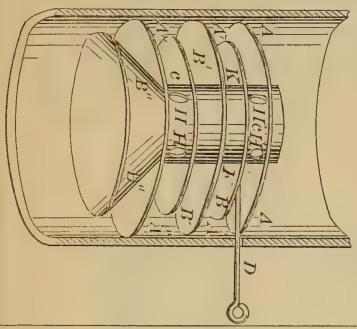
70959—C. Colby—*Churn.*



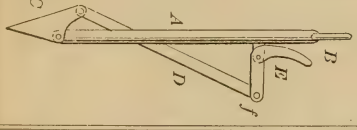
70960—R. Conarroe—*Ditching Machine.*



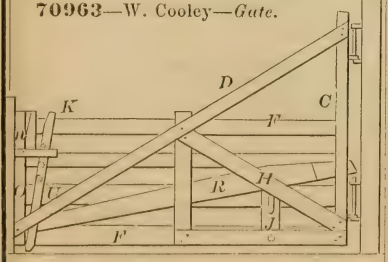
70961—J. Conver—*Stove Pipe Drum.*



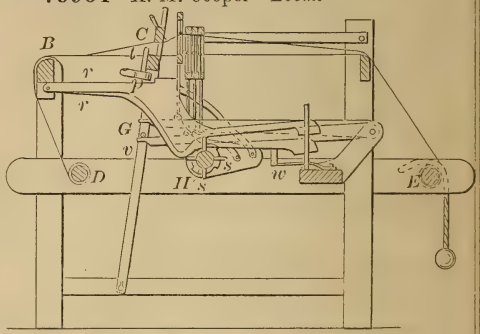
70962—A. J. Cook—*Horse Hay Fork.*

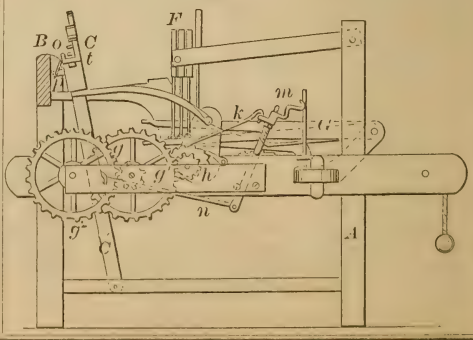


70963—W. Cooley—*Gate.*

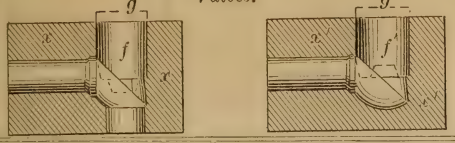


70964—H. M. Cooper—*Loom.*

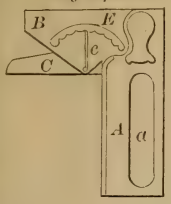




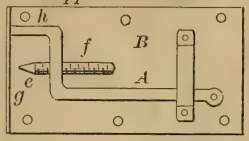
70965—J. M. Cooper—*Mould for Casting Globe Valves.*



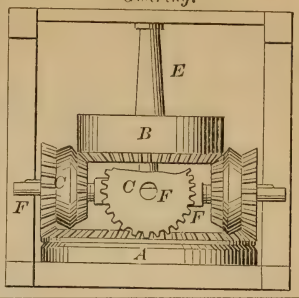
70966—J. E. Cowdery—*Try Square.*



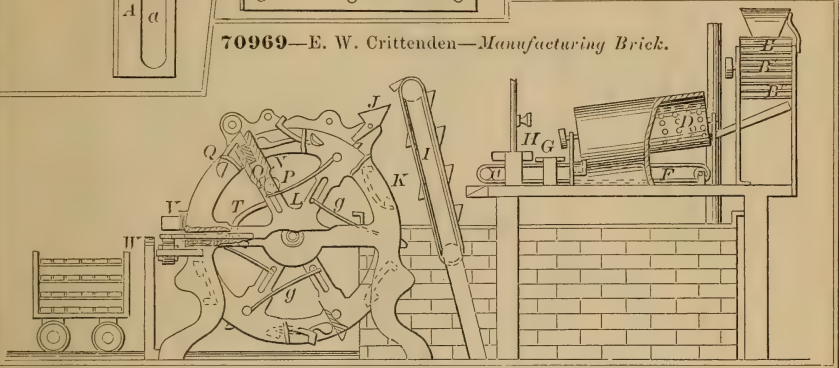
70968—Z. M. Crane—*Tool Supporter or Rack*



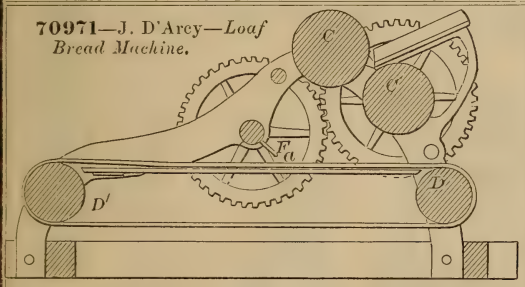
70970—J. C. Cunningham—*Mill Gearing.*



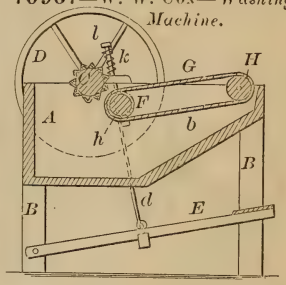
70969—E. W. Crittenden—*Manufacturing Brick.*



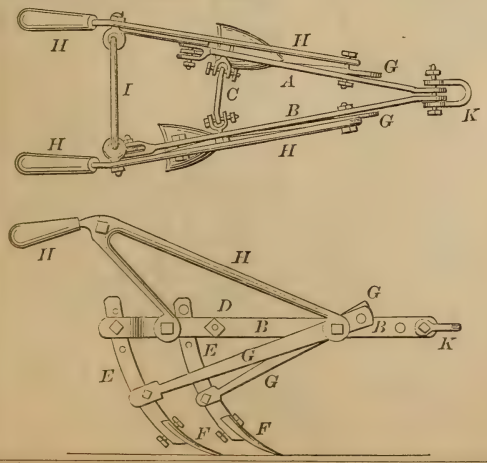
70971—J. D'Arcy—*Loaf Bread Machine.*



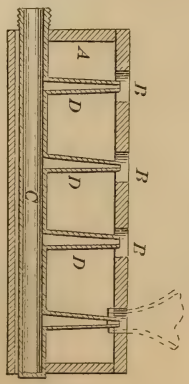
70967—W. W. Cox—*Washing Machine.*



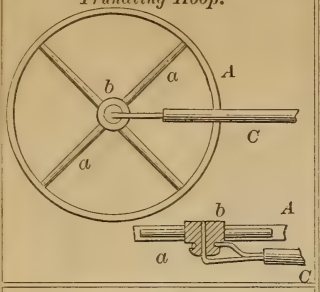
70972—J. R. Davis—*Plow.*



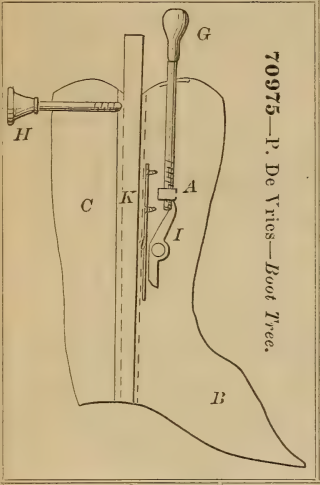
70973—H. B. Davison—*Bottle Washer.*



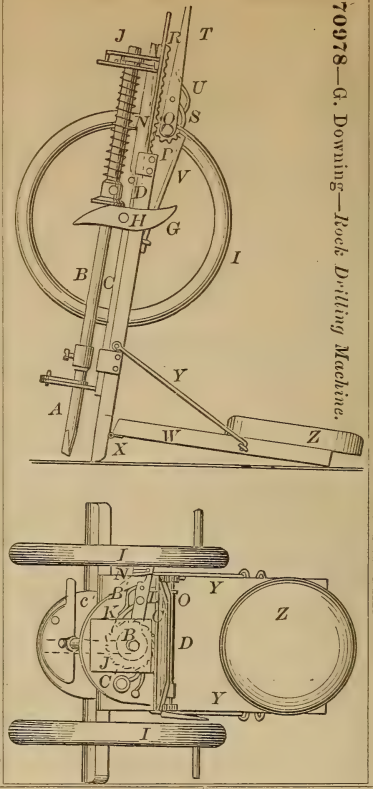
70974—J. G. De Coursey—*Trundling Hoop.*



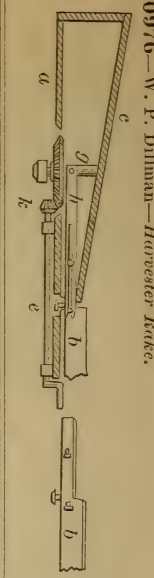
70975—P. De Vries—*Boot Tree.*



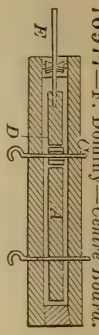
70978—G. Downing—*Rock Drilling Machine.*



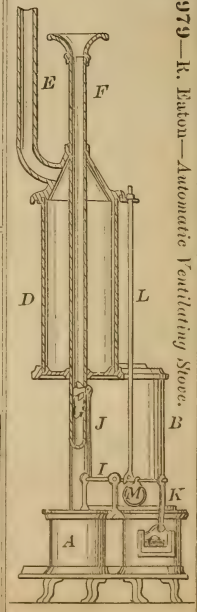
70976—W. P. Dillman—*Harvester Rake.*



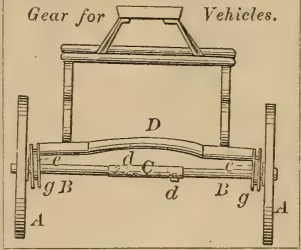
70977—F. Dominy—*Centre Board.*



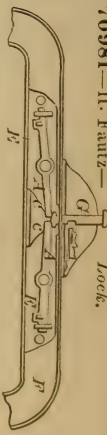
70979—R. Eaton—*Automatic Ventilating Stove.*



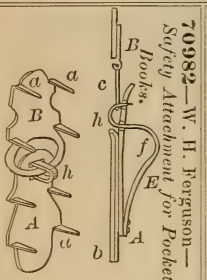
70980—S. J. Edwards—*Gear for Vehicles.*



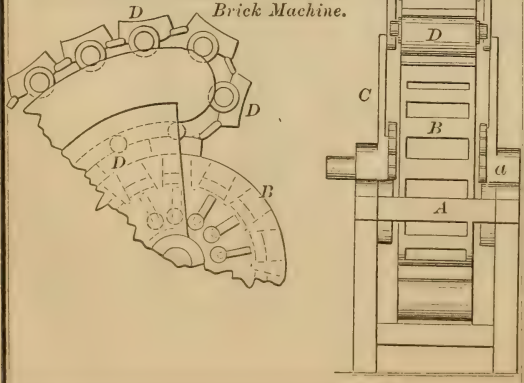
70981—H. Fautz—*Lock.*



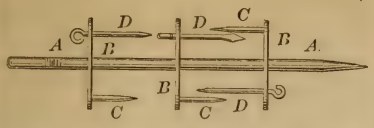
70982—W. H. Ferguson—*Safety Attachment for Pocket Books.*



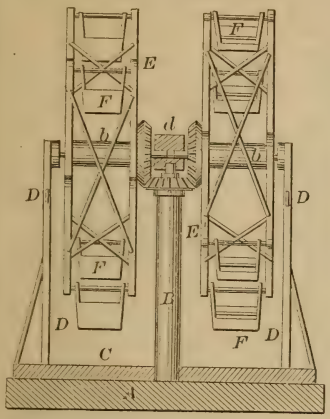
70983—G. B. Fisher—*Peat and Brick Machine.*



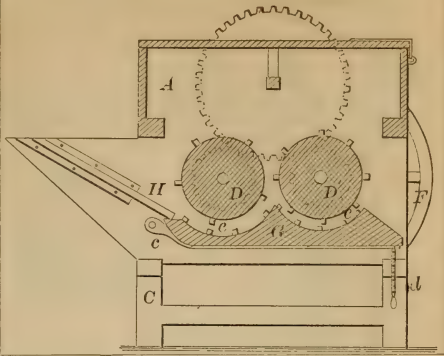
70984—P. Fisher—*Meat Spit.*



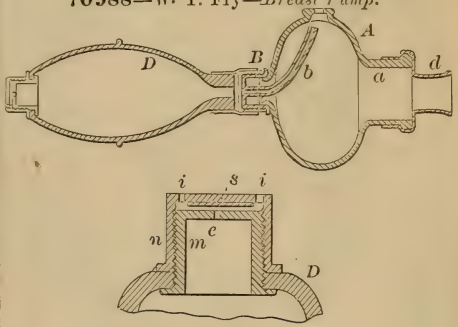
70985—I. N. Forrester—*Rotary Swing.*



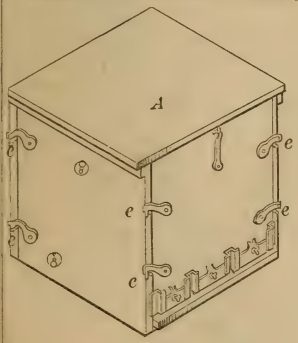
70987—F. Frey—*For Picking Hair.*

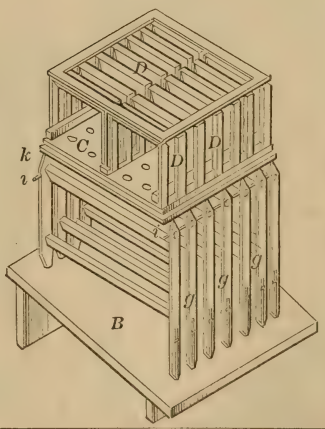


70988—W. T. Fry—*Breast Pump.*



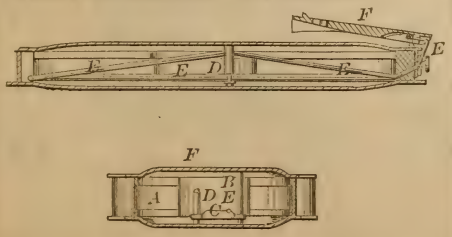
70989—J. Gatschets—*Beehive.*



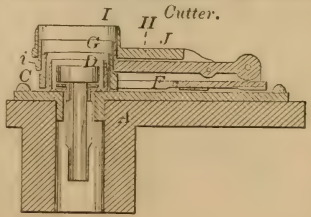


70986—Fox & Hall—*Bottle Stopper.*

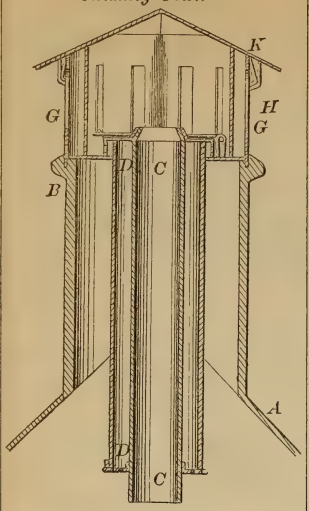
70991—G. Gemünder—*Bow Instrument.*



70992—B. F. Goddard—*Boot Heel Cutter.*



70993—B. J. Goodsell—*Chimney Cowl.*



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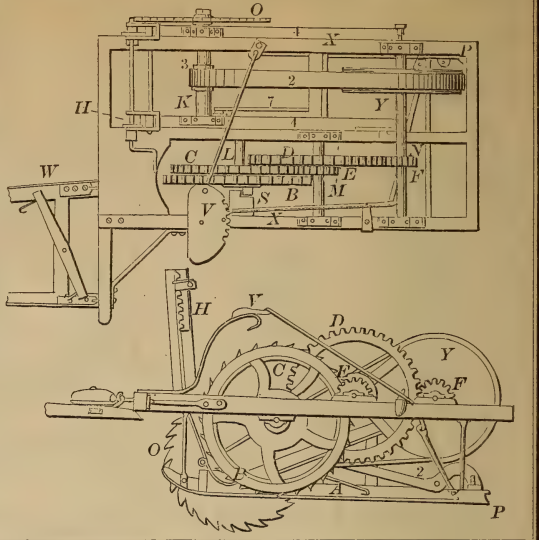
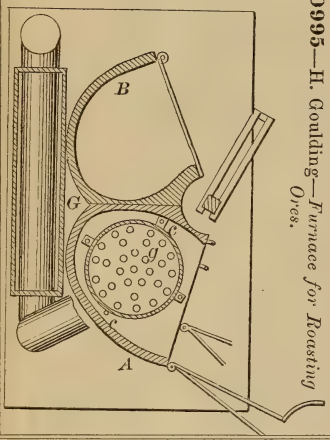
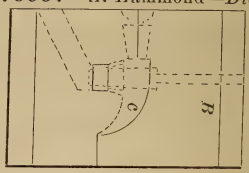


70995—H. Goulding—*Furnace for Roasting Ores.*

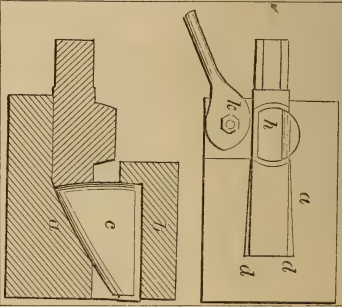


70996—S. S. Gray—*For Moulding Collars.*

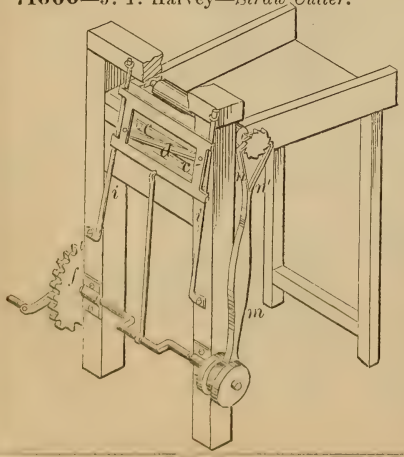
70997—H. Hammond—*Die.*



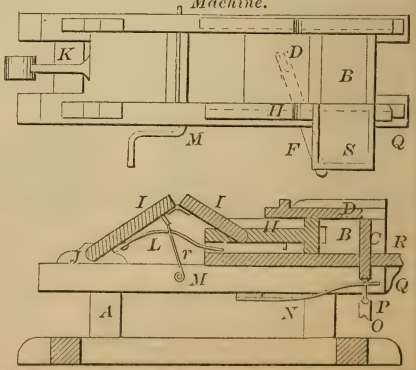
70998—H. Hammond—*Die.*



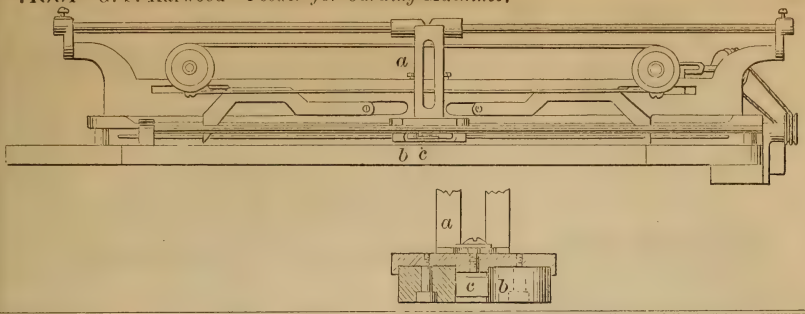
71000—J. T. Harvey—*Straw Cutter.*



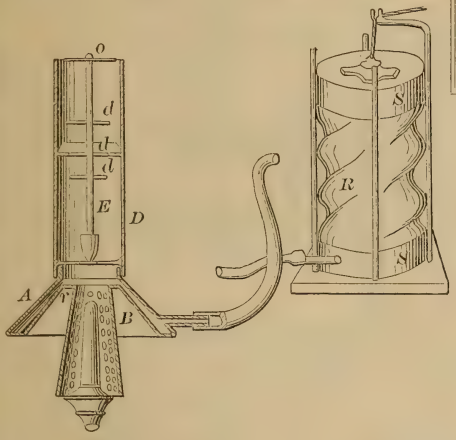
70999—M. S. Harsha—*Concrete Brick Machine.*



71001—G. S. Harwood—*Feeder for Carding Machines.*

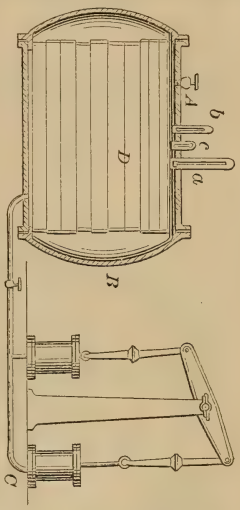


71002—D. G. Haskins—*Gas Heating Apparatus.*

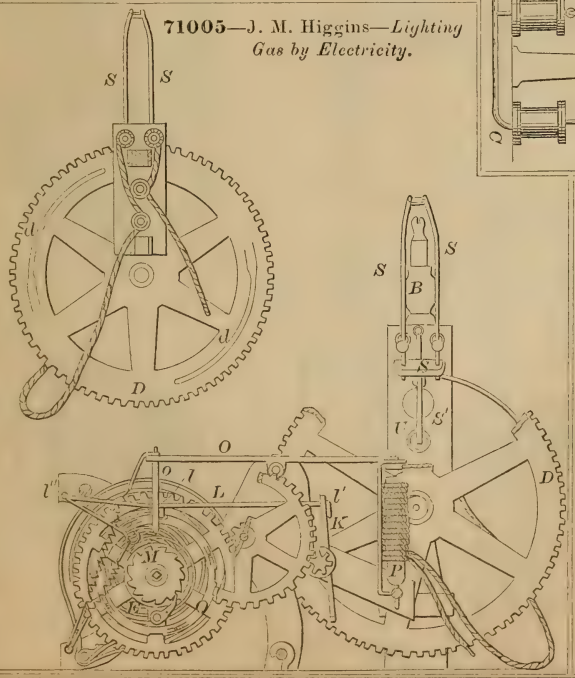


71003—E. Heaton—*Shank Spring for Boots and Shoes.*

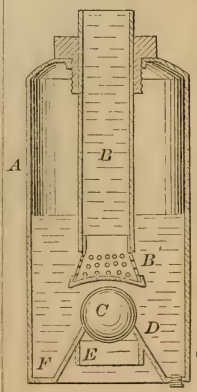
71004—E. E. Hendrick—*Drying Gunpowder.*



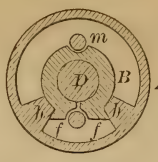
71005—J. M. Higgins—*Lighting Gas by Electricity.*

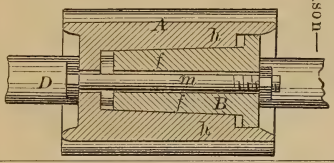


71007—R. H. Hilton—*Air Chamber of Pumps.*

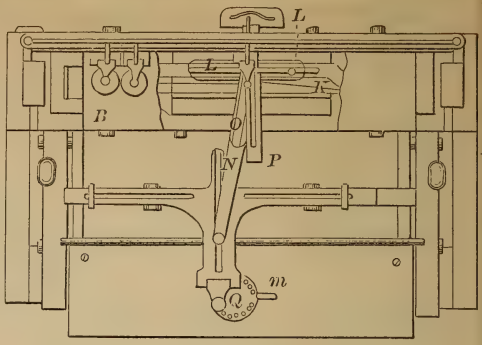


71008—G. P. & J. L. Hodson—*Shaft Coupling.*

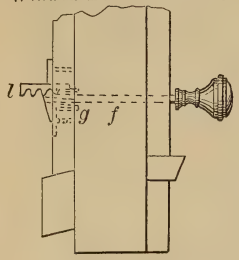


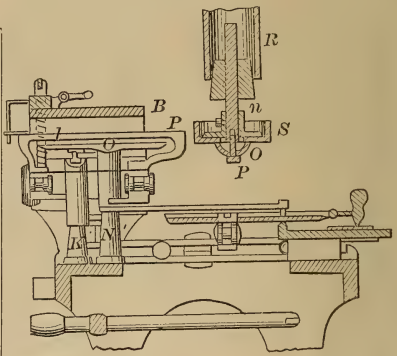


71010—J. H pe—*Pantographic Engraver.*

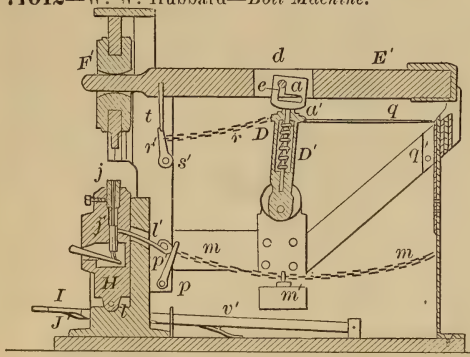


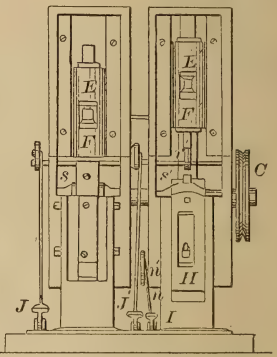
71009—Holbrook, Dodge & Marshall—*Window Blind Fastener.*



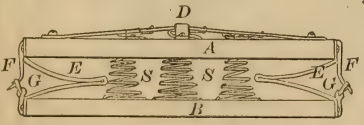


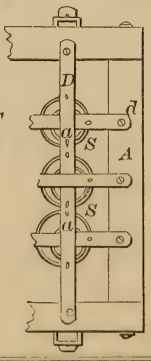
71012—W. W. Hubbard—*Bolt Machine.*



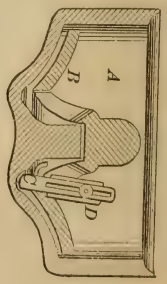


71014—H. L. Huntington—*Spring Bed Bottom.*

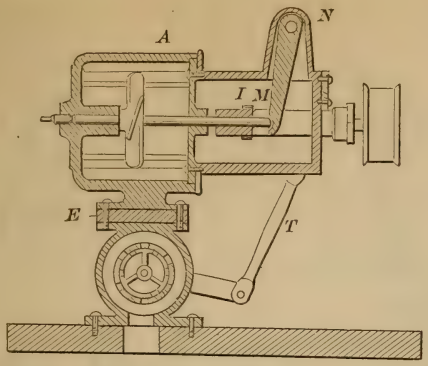


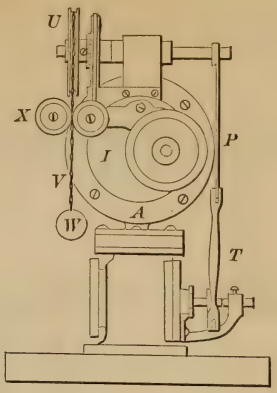


71011—A. Horn—*Amalgamator.*

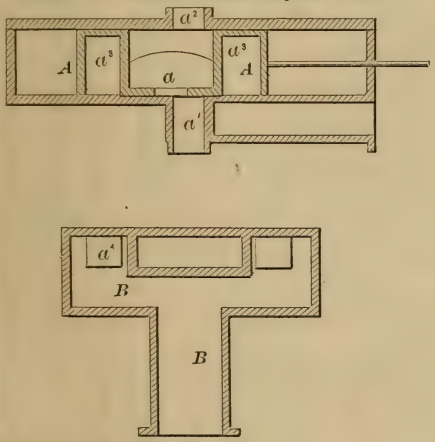


71015—R. K. Huntoon—*Steam Engine Governor.*

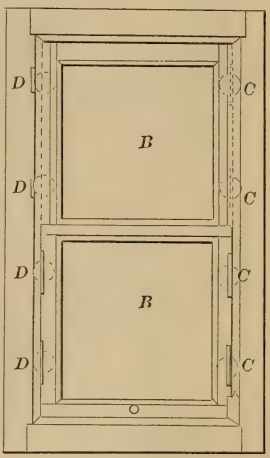




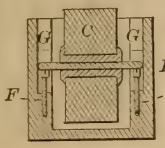
71016—A. Hutton—*Steam Engine Valve.*



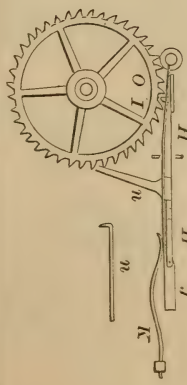
71017—C. R. Jenkins—*Sash Stop.*



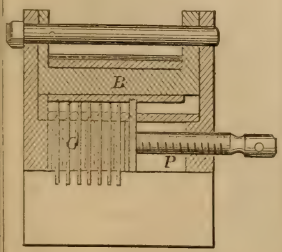
71018—C. Kane—*Sash Supporter.*



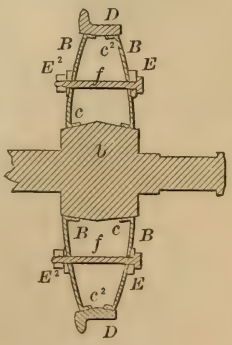
71019—W. C. Kellum—*Time Piece Escapement.*



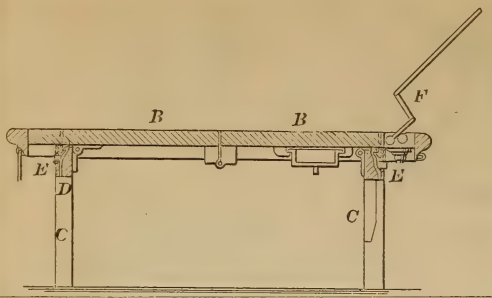
71020—J. J. Kents—*Slitting Machine.*



71021—C. E. Kleinschmidt—*Car Wheel.*

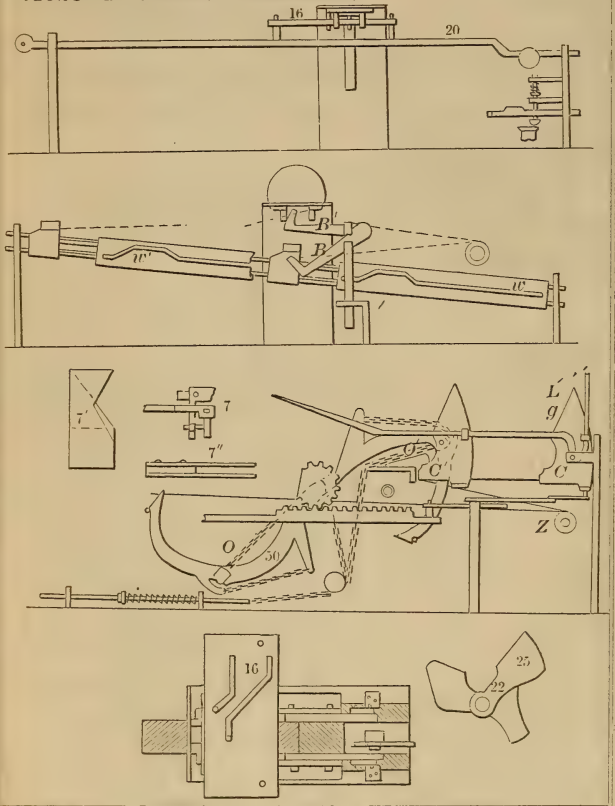


71022—F. Kopper—*Toilet Table.*

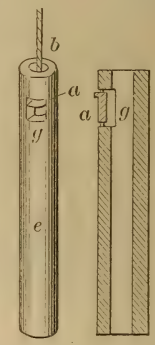


71025—G. Larson—*Sleigh Knee.*

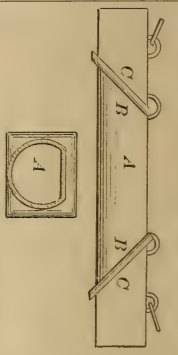
71023—I. Lancaster—*Grain Binder.*



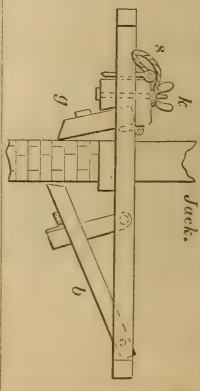
71024—C. B. Lang—*Tassel Fastening.*



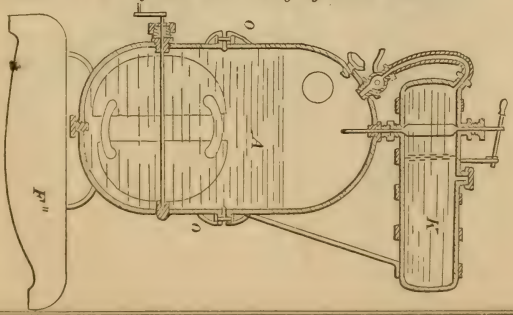
71026—D. P. Lewis—*Hose Guard.*



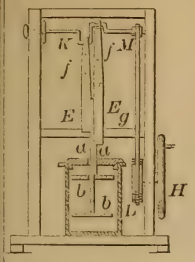
71027—S. P. Loomis—*Painters' Window Jack.*



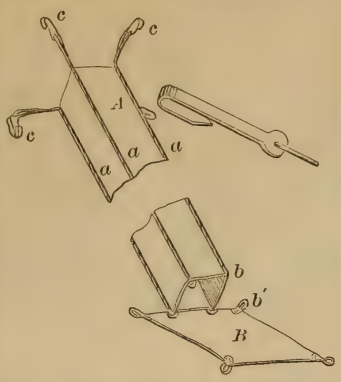
71028—J. D. Lynde—*For Charging Soda Water.*



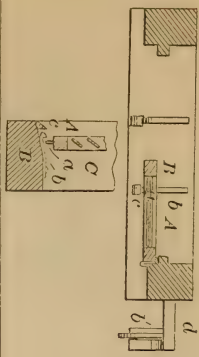
71029—R. Mahr—*Churn.*



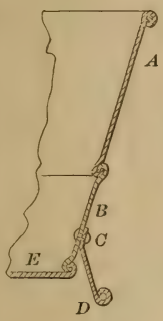
71030—J. Marx—*Fire Escape.*



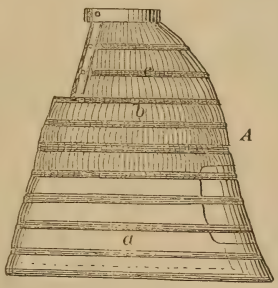
71031—B. Mayo—*Window Blind Fastening*



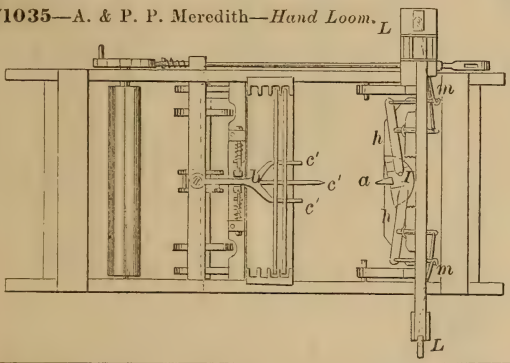
71032—J. McCoy—*Coal Hod.*



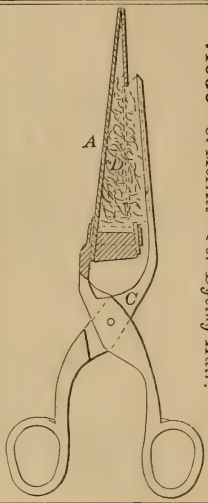
71033—J. McKeever—*Hoop Skirt.*



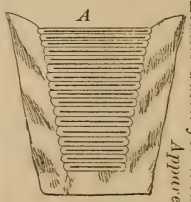
71035—A. & P. P. Meredith—*Hand Loom.*



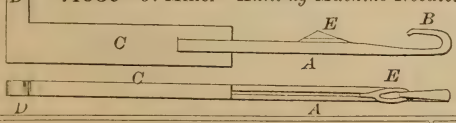
71036—C. Merritt—*for Dyeing Hair.*



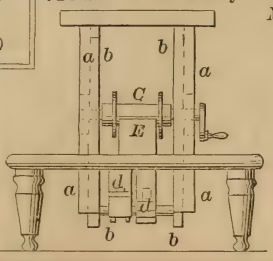
71038—J. & J. Miller, Jr.—*Elastic Gusset for Wearing Apparel.*



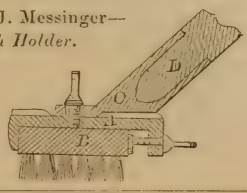
71039—J. Miller—*Knitting Machine Needle.*



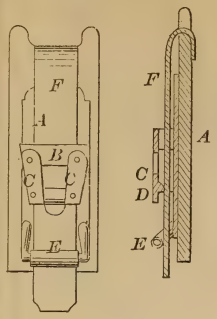
71040—J. W. Milroy—*Drain Tile Machine.*



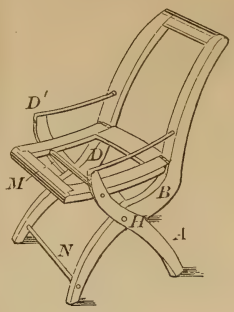
71037—J. Messinger—*Brush Holder.*



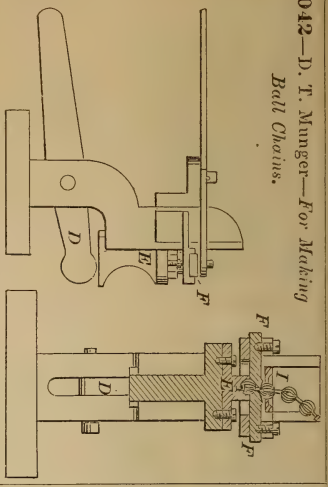
71041—J. F. Morsell—*Spring Buckle.*



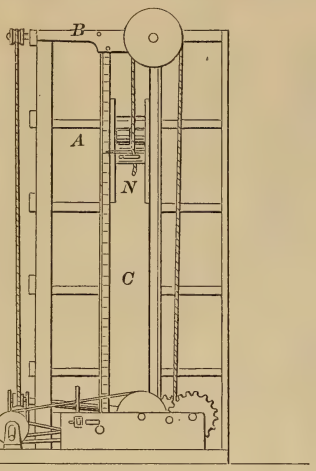
71045—J. Nicolai—*Folding Chair.*



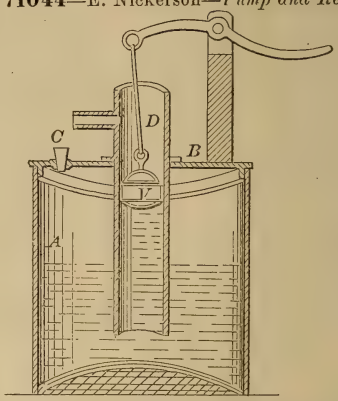
71042—D. T. Munger—*For Making Ball Chains.*

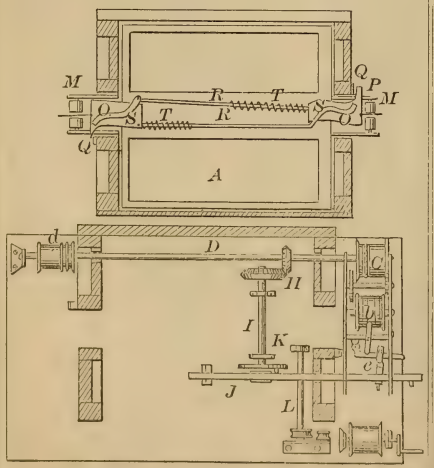


71043—W. Murray—*Hoisting Machine.*

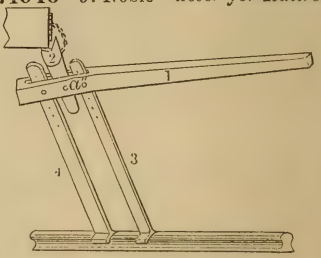


71044—E. Nickerson—*Pump and Reservoir.*

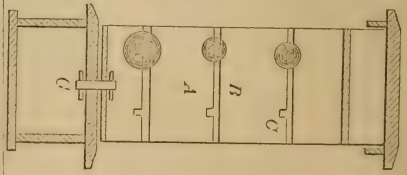




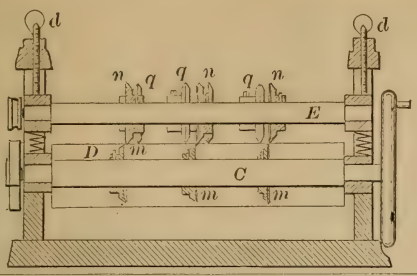
71046—J. Noble—*Lever for Railroad Cars.*

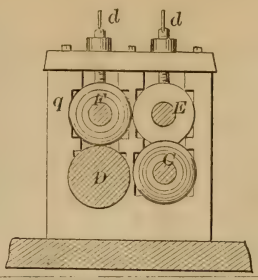


71047—J. G. Onk—*Show Stand.*

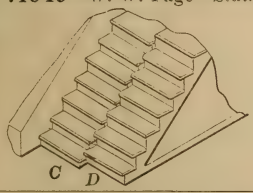


71048—S. Orth—*For Cutting Pasteboard.*

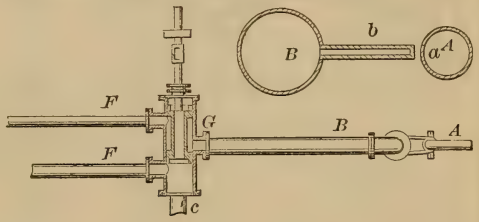


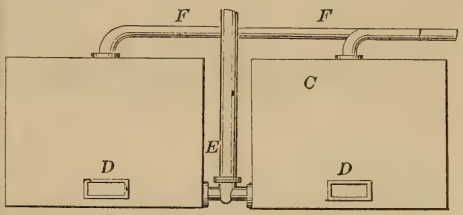


71049—W. W. Page—*Stairs.*

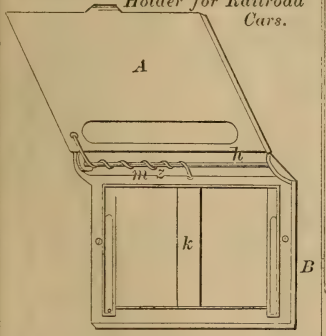


71050—J. Parker—*For Raising Fluids.*

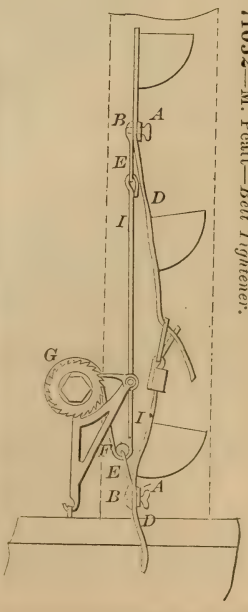




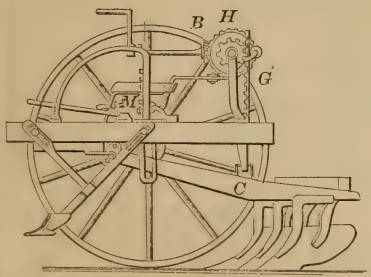
71051—J. H. Parsons—*Label Holder for Railroad Cars.*

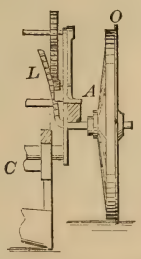


71052—M. Pratt—*Belt Tightener.*

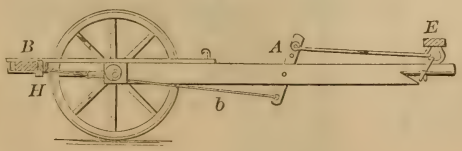


71053—H. L. Perry—*Gang Plow.*

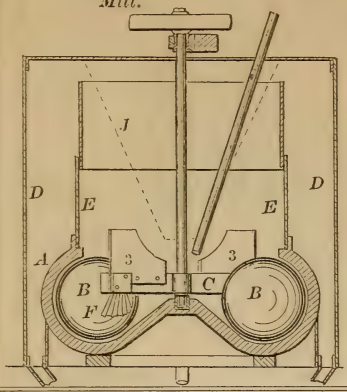




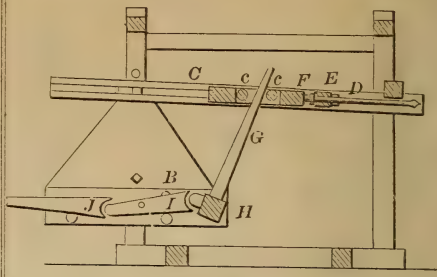
71054—C Phelon—*Brake for Vehicles.*



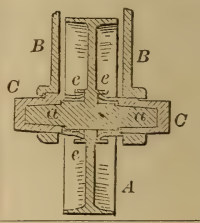
71055—Pickering & St. John—*Quartz Mill.*



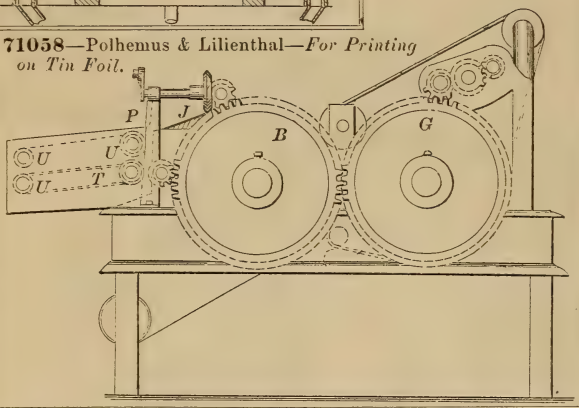
71056—W. Pierce—*Rock Drilling Machine.*



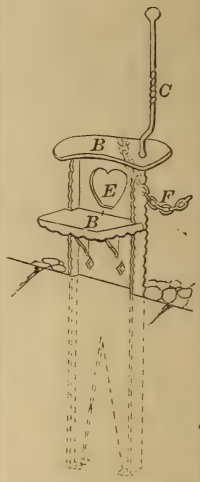
71057—L. B. Pitcher—*Roller Wheel for Plows.*



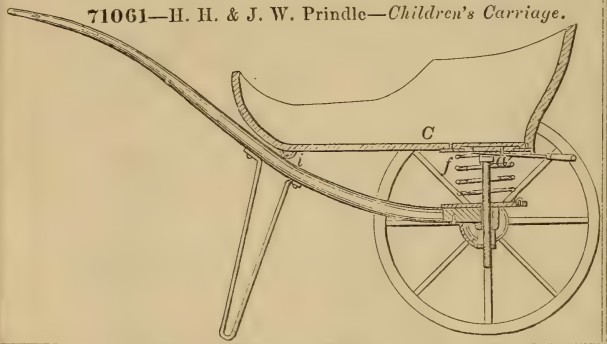
71058—Polhemus & Lilienthal—*For Printing on Tin Foil.*



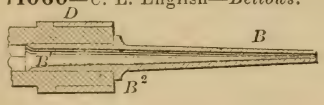
71059—G. W. Preston—*Horse Block and Hitching Post.*



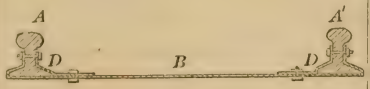
71061—H. H. & J. W. Prindle—*Children's Carriage.*



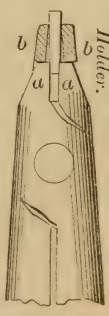
71060—C. L. English—*Bellows.*



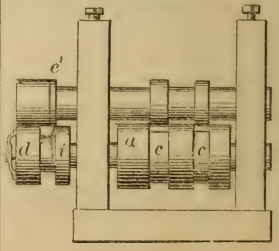
71063—L. Repsher—*Railway Chair and Sleeper.*



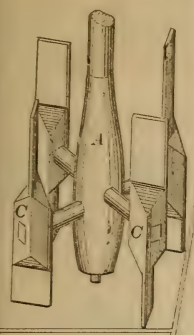
71064—J. C. Rhodes—*Nail Plate Holder.*



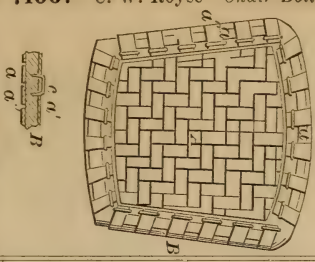
71062—A. Reese—*Shaping Dies of Grooved Rolls.*



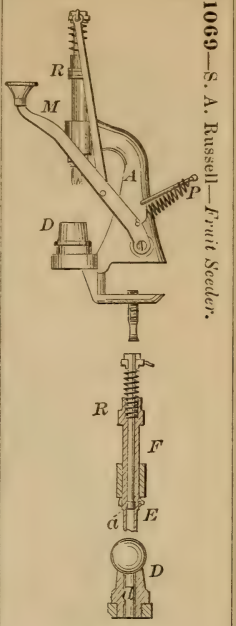
71065—R. W. Robinson—*Churn Dasher.*



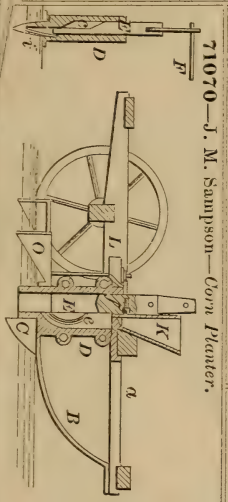
71067—C. W. Royse—*Chair Bottom.*



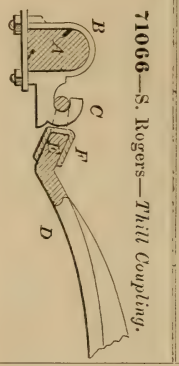
71069—S. A. Russell—*Fruit Seeder.*



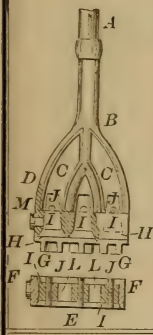
71070—J. M. Sampson—*Corn Planter.*



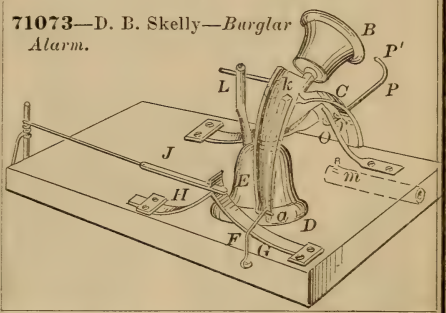
71066—S. Rogers—*Thill Coupling.*



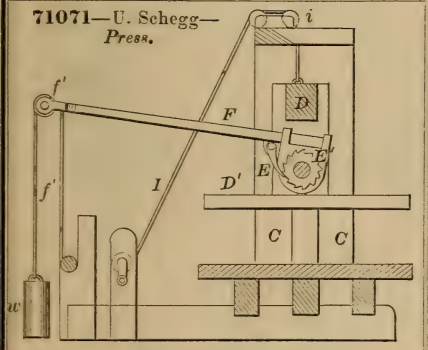
71068—C. Rundquist—*Branding Iron.*

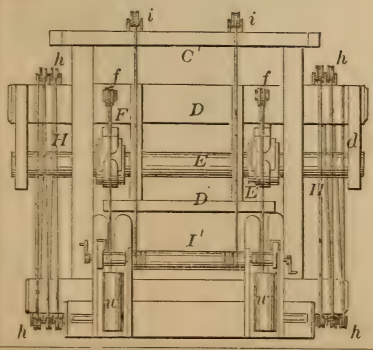


71073—D. B. Skelly—*Burglar Alarm.*

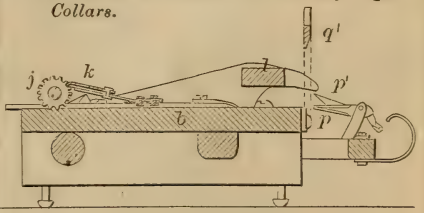


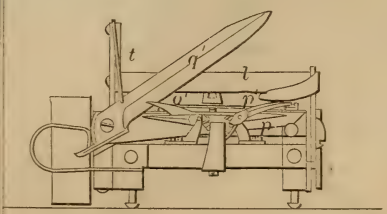
71071—U. Schegg—*Press.*



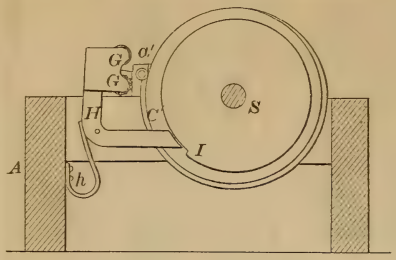


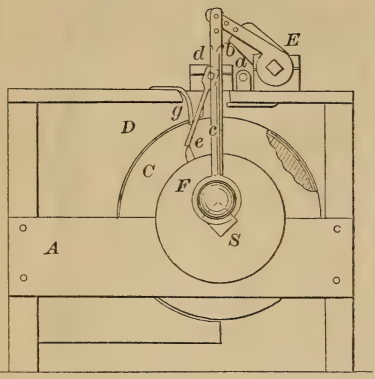
71074—D. M. Smyth—*For Cutting Paper Collars.*



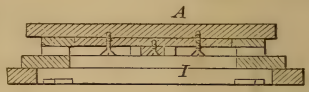


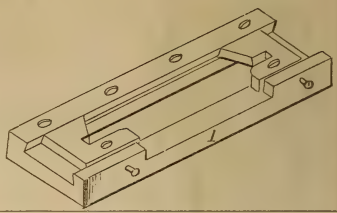
71075—W. Spillman—*Bullet Machine.*



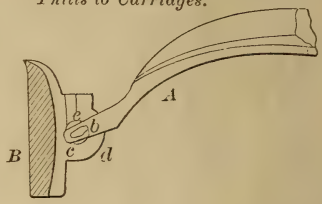


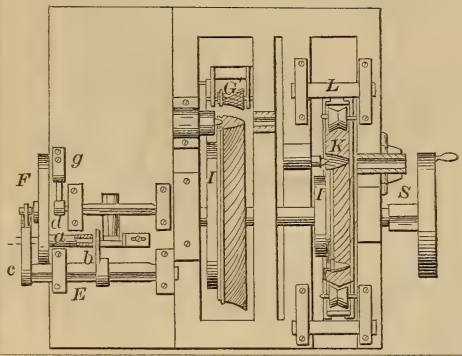
71076—C. Spofford—*Die for Cutting Paper Collars.*



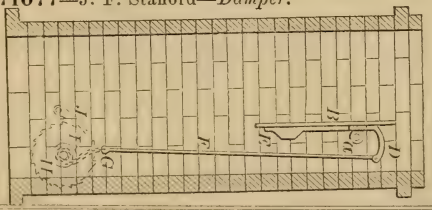


71078—W. Starkey—*Attaching Thills to Carriages.*

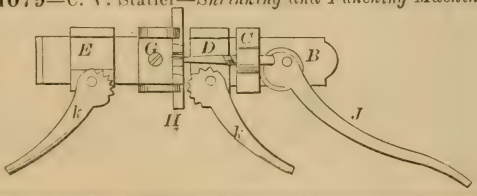




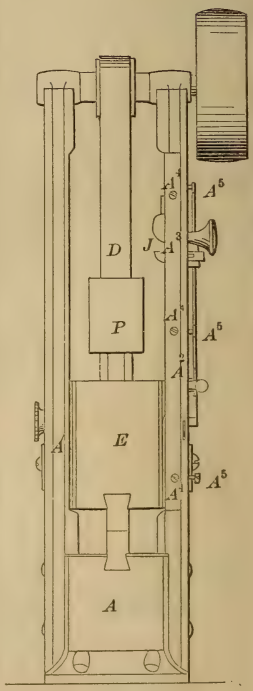
71077—J. F. Stafford—*Damper.*



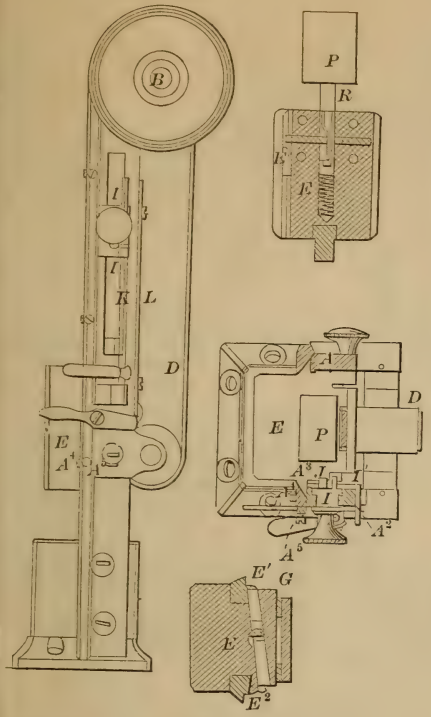
71079—C. V. Statler—*Shrinking and Punching Machine.*



71080—Stiles & Miller—*Drop Press.*



71080—*Continued.*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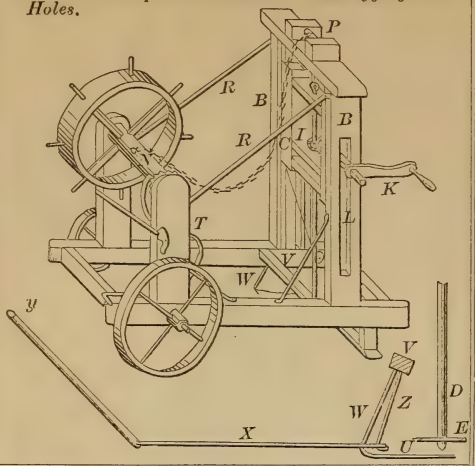
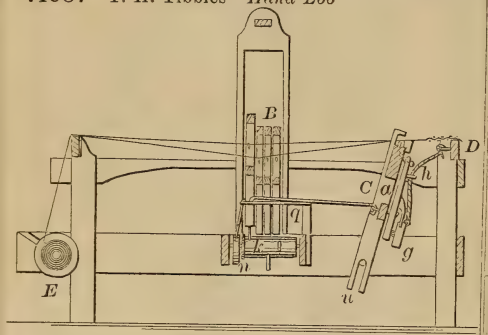
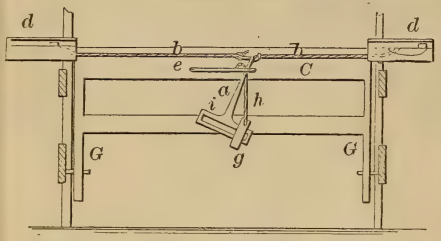
71086—Thompson & Herrick—*For Digging Post Holes.*

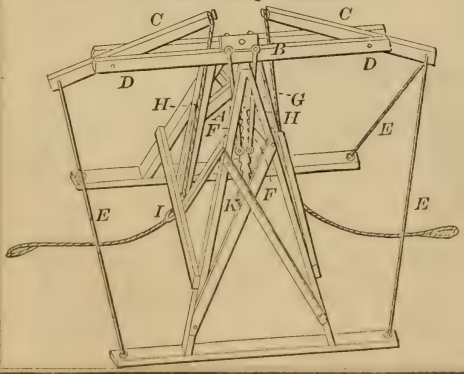


71087—T. H. Tibbles—*Hand Loo*

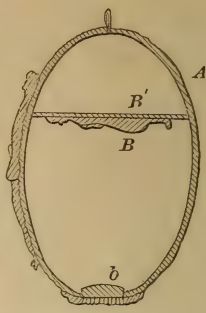




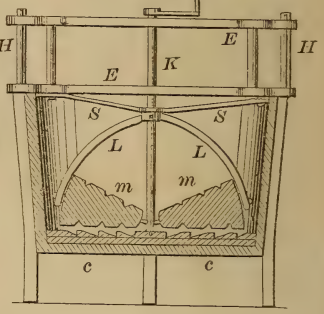
71088—J. Turner—*Stump Extractor.*



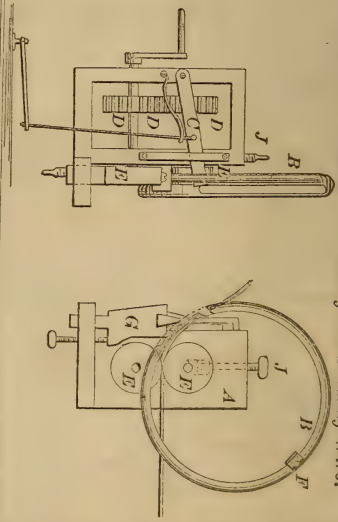
71089—F. Walter—*Confectionery.*



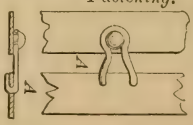
71090—H. Warner—*Washing Machine.*



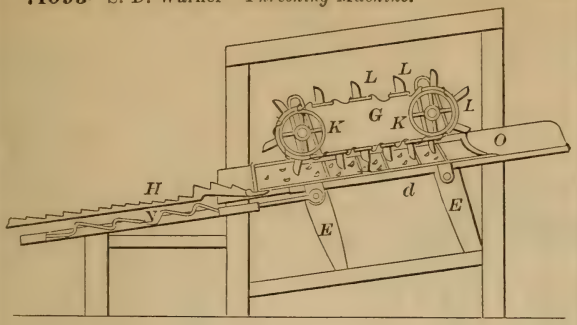
71091—J. Wasson—*For Cutting and Forming Wire.*



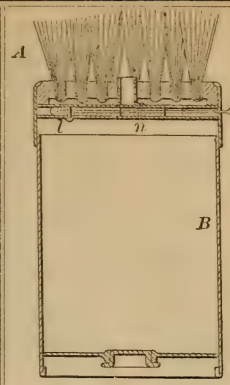
71092—A. W. Webster—*Corset Fastening.*



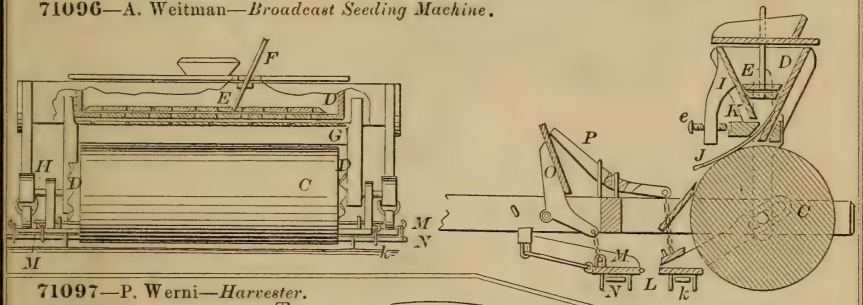
71093—S. D. Warner—*Threshing Machine.*



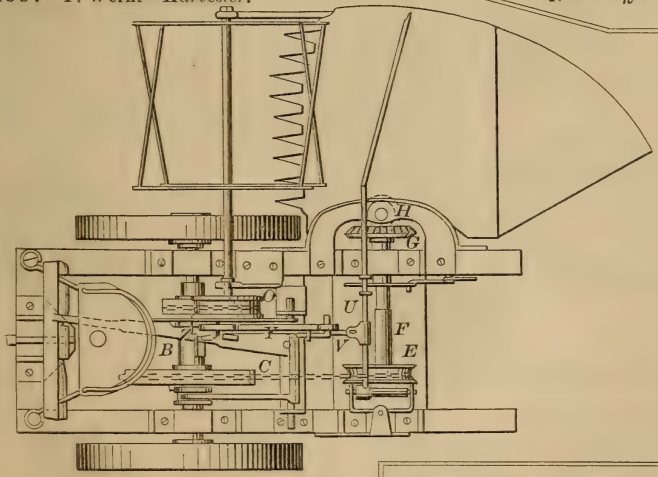
71094—J. B. Warren—*Fountain Brush.*

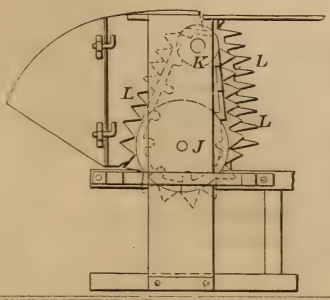


71096—A. Weitman—*Broadcast Seeding Machine.*

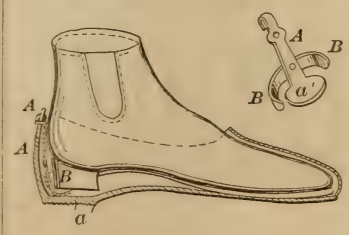


71097—P. Werni—*Harvester.*

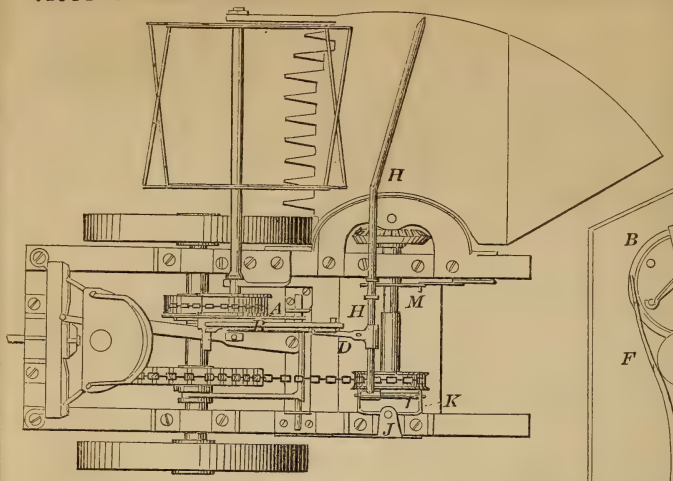




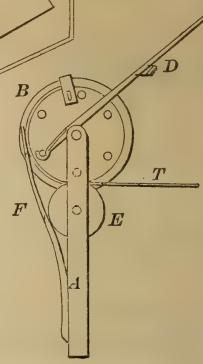
71095—J. Weidenman—*Rubber Shoe.*

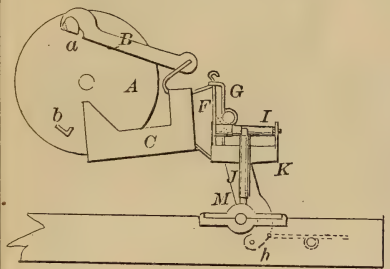


71098—P. Werni—*Harvester Rake.*

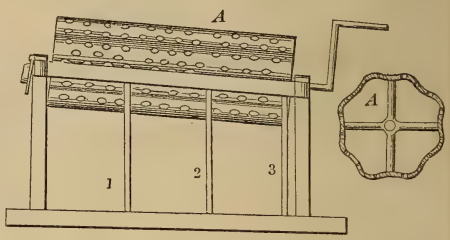


71100—D Wetzel—*For Bending Tires.*

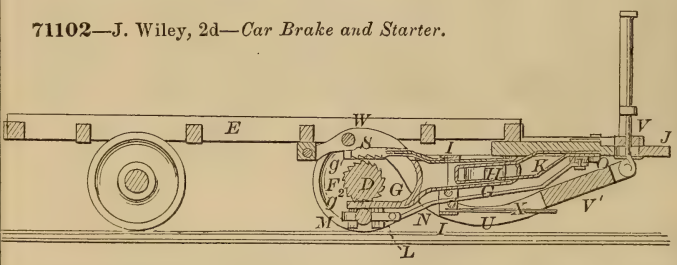




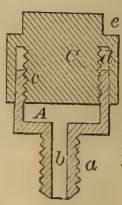
71099—E. W. Weston—*Revolving Coal Screen.*



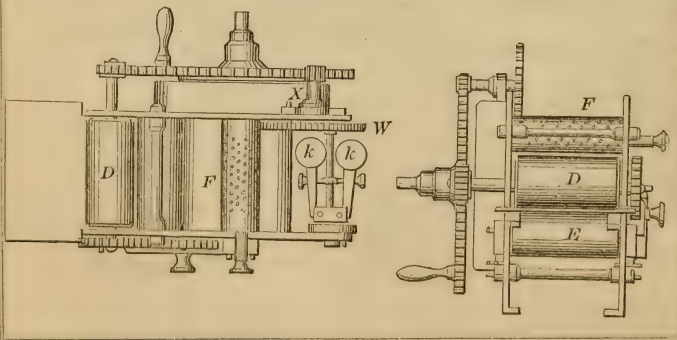
71102—J. Wiley, 2d—*Car Brake and Starter.*



71101—W. P. White—*Lubricator.*



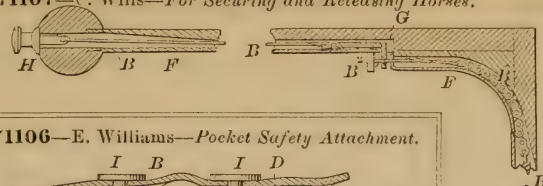
71103—J. M. Willbur—*Printing Apparatus.*



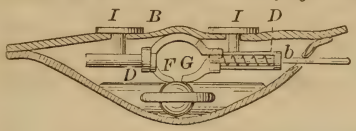
71104—J. M. Willbur—*Stereotype Casting.*

71105—J. M. Willburr—*Head Stamp.*

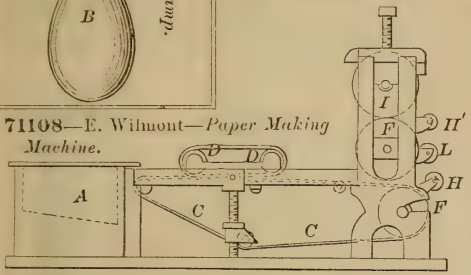
71107—C. Wills—*For Securing and Releasing Horses.*



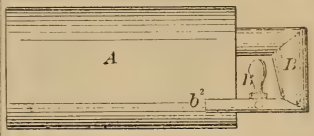
71106—E. Williams—*Pocket Safety Attachment.*



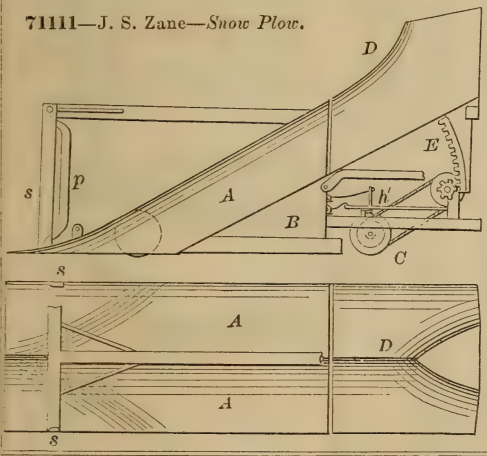
71108—E. Wilmont—*Paper Making Machine.*



71109—G. W. Wiswell—*Boiler Cleaner.*

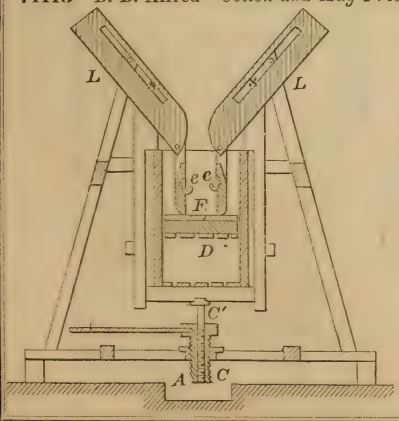


71111—J. S. Zane—*Snow Plow.*

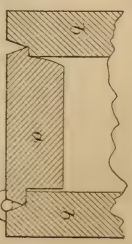


71112—C. E. Abbott—*Lamp Extinguisher.*

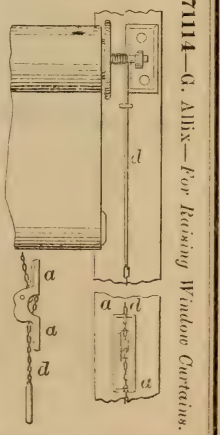
71113—B. B. Alfred—*Cotton and Hay Press.*



71110—L. Yale, Jr.—*Burglar Proof Safe.*



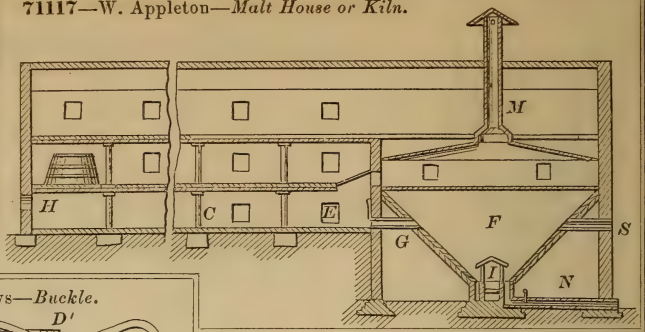
71114—G. Allix—*For Raising Window Curtains.*



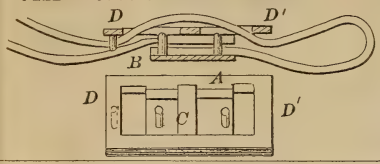
71115—J. K. Andrews—

Dinner Plate.

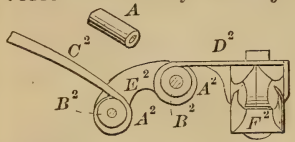
71117—W. Appleton—*Malt House or Kiln.*



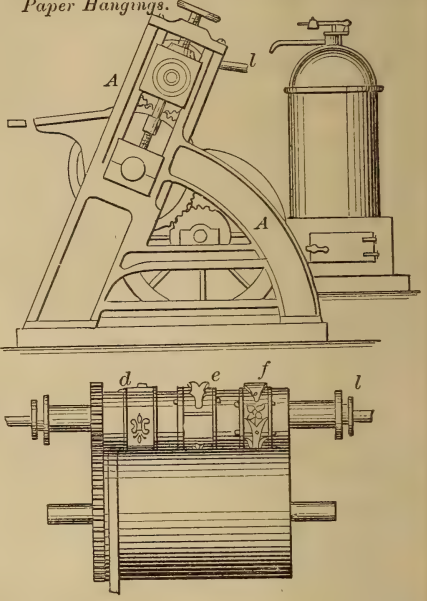
71116—J. K. Andrews—*Buckle.*



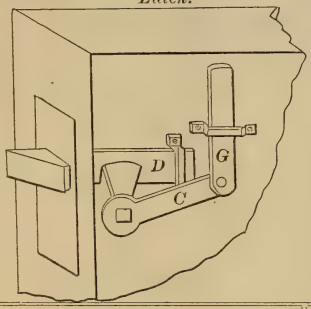
71118—J. P. Ashley—*Carriage Spring.*



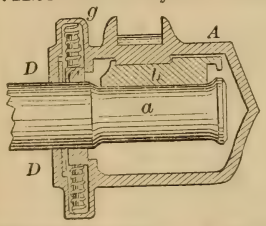
71120—W. Bailey—*For Making Stamp Gilt Paper Hangings.*



71123—N. Belvallette—*Carriage Door Latch.*

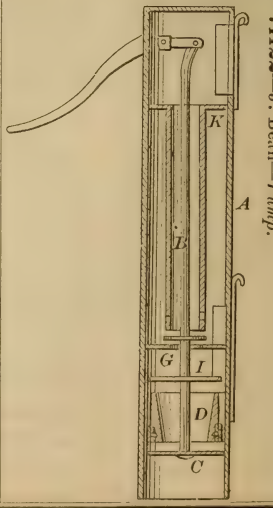


71125—W. A. Boyden—*Axle Box.*

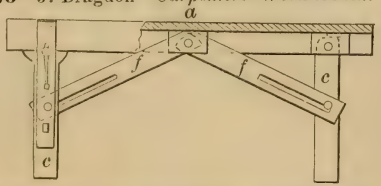


71124—W. Betts—*Metallic Capsule for Bottles.*

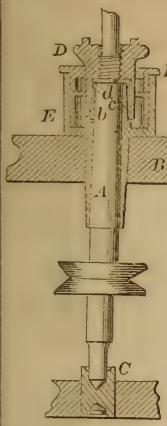
71122—J. Bean—*Pump.*



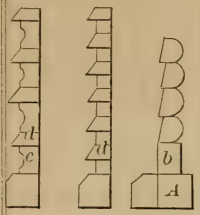
71126—J. Bragdon—*Carpenters' Work Bench.*



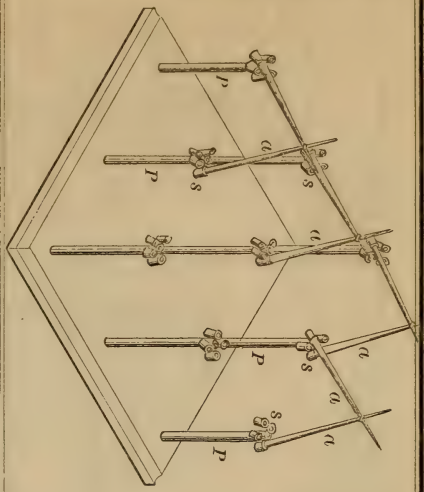
71127—J. E. Brown—*Spindle Bolster.*



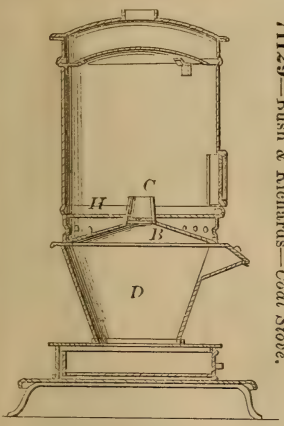
71130—J. Busser—*Wooden Building.*



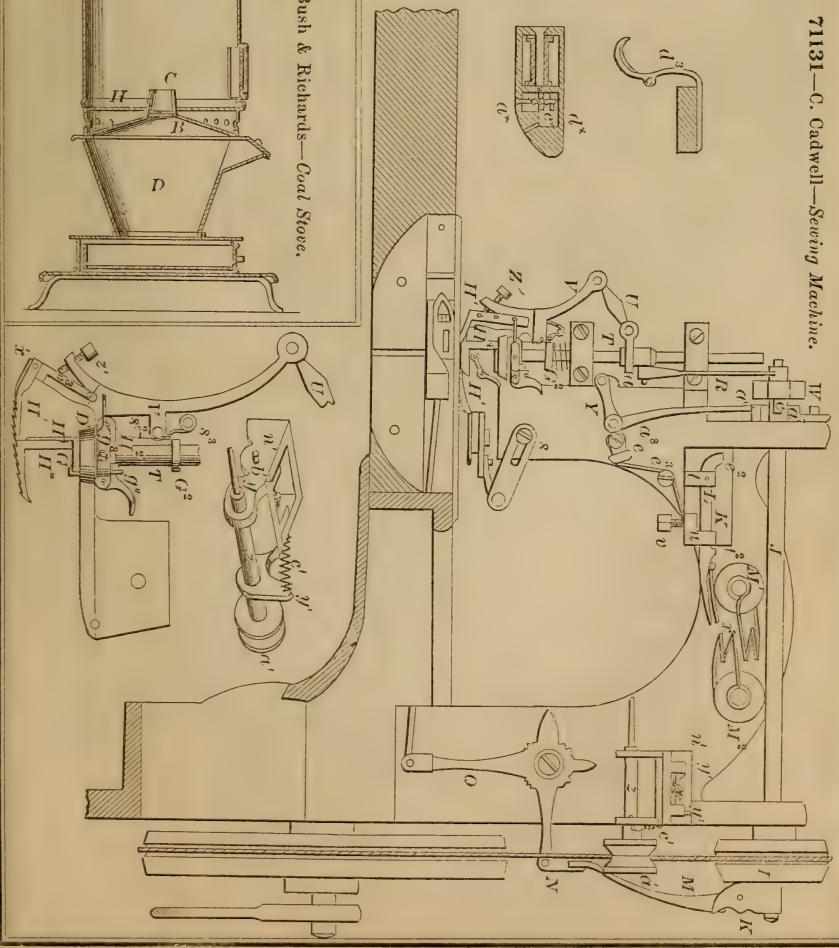
71128—C. T. Bush—*Hop Vine Support.*



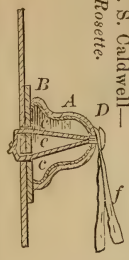
71129—Bush & Richards—*Coal Stove.*



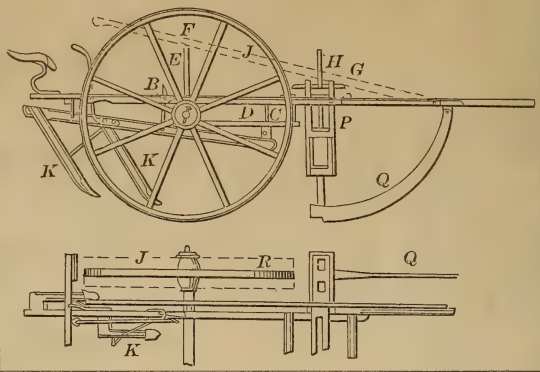
71131—C. Cadwell—*Sewing Machine.*



71132—G. S. Caldwell—*Harness Rosette.*

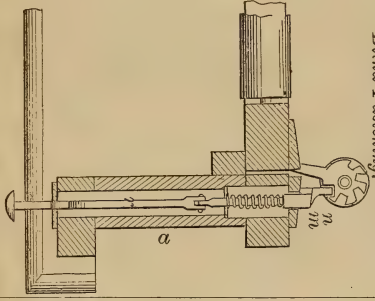


71134—I. H. Chappell—*Planter and Cultivator.*

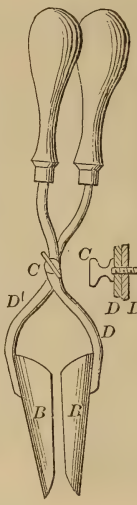


71136—H. M. Clemence—*Garment Supporter.*

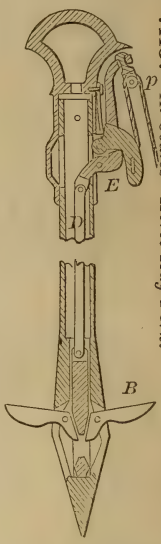
71135—E. A. Chavantre—*Blind Fastening.*

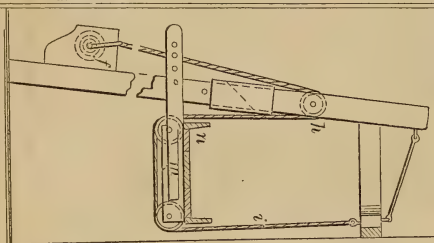


71133—H. Carmichael—*Transplanter.*



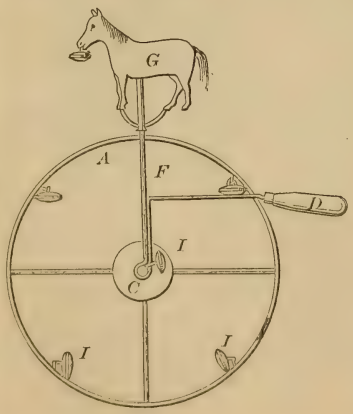
71137—A. Coates—*Horse Hay Fork.*



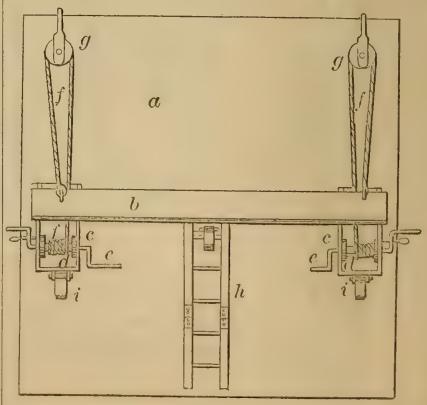


71139—N. B. Crawford—*Building Scaffold.*

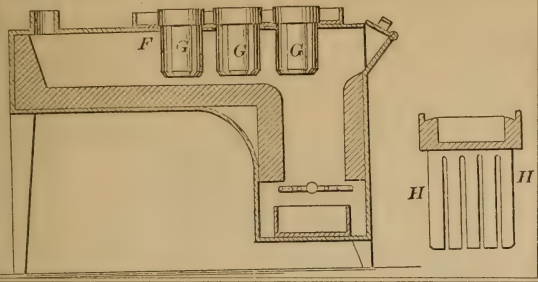
71138—Crawford & Hervey—*Toy Hoop.*



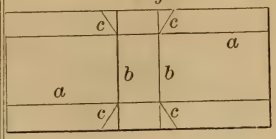
71140—N B. Crawford—*Scaffold for Roofs.*



71141—L. Cutting—*Soldering Furnace.*

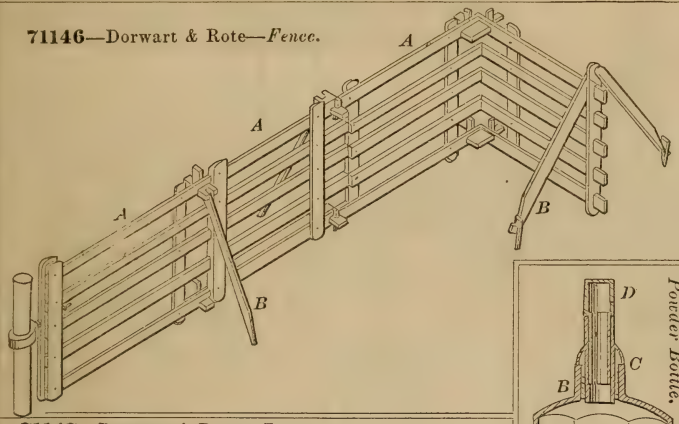


71143—G. & D. Dare—*Paper Bag.*

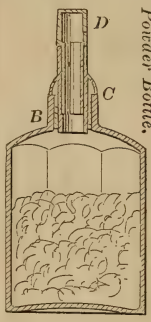


71144—T. J. Dean—*Tube Well.*

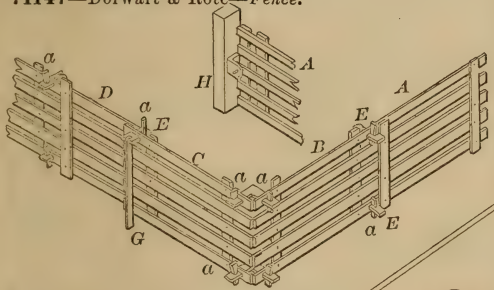
71146—Dorwart & Rote—*Fence.*



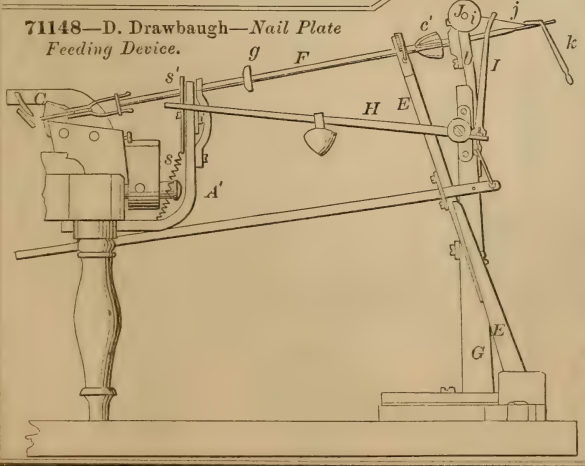
71142—J. B. Da Camara, Jr.—*Tooth Powder Bottle.*



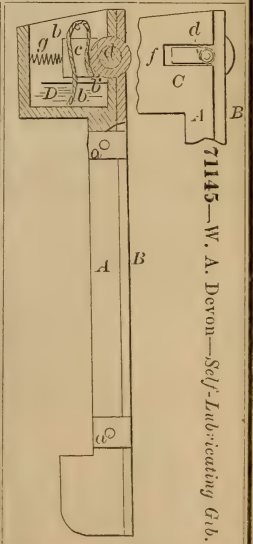
71147—Dorwart & Rote—*Fence.*



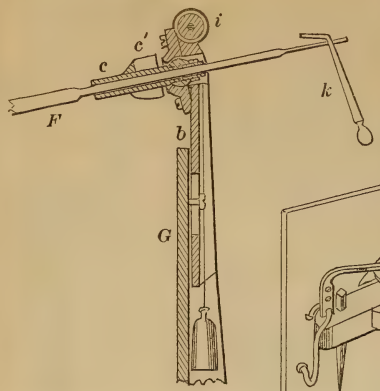
71148—D. Drawbaugh—*Nail Plate Feeding Device.*



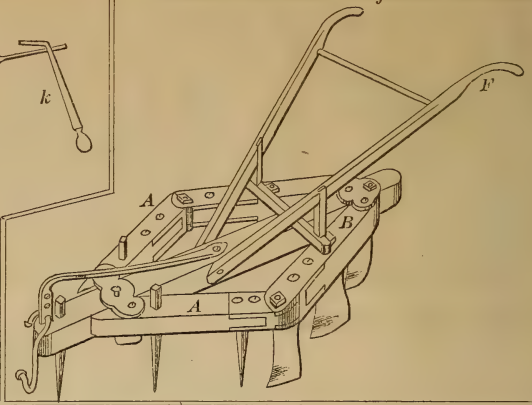
71145—W. A. Devon—*Self-Lubricating Gib.*



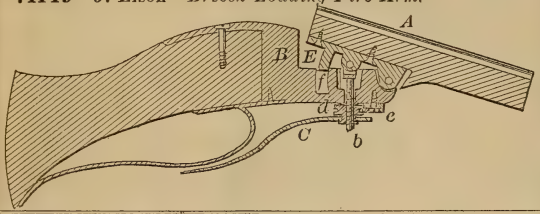
71148—*Continued.*



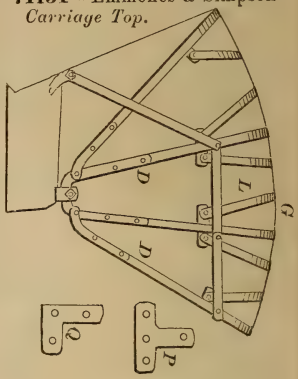
71152—J. W. Ernst—*Adjustable Cultivator.*



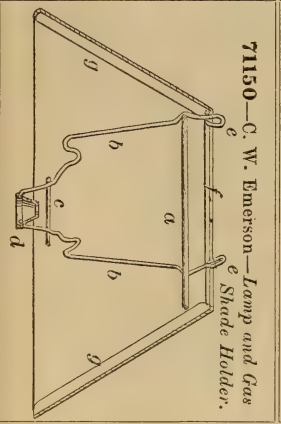
71149—J. Elson—*Breech-Loading Fire Arm.*



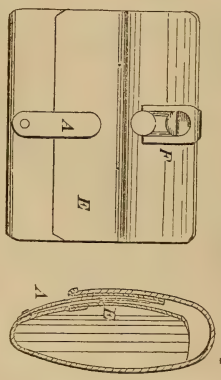
71151—Emmones & Simpson—*Carriage Top.*



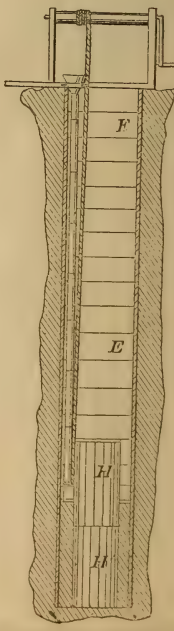
71150—C. W. Emerson—*Lamp and Gas Shade Holder.*



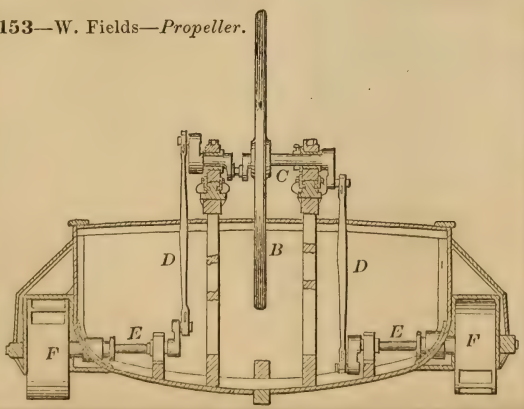
71154—D. E. Fisk—*Pocket Book Clasp.*



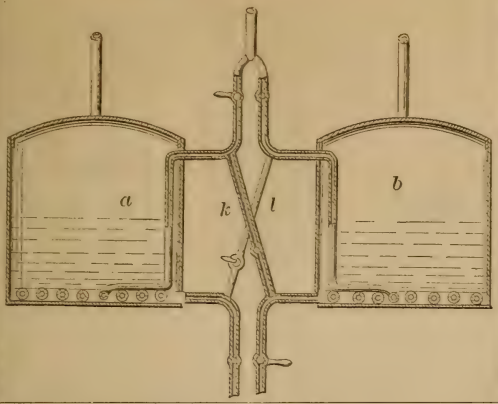
71155—W. S. Follenshee—*Grout Conductor.*



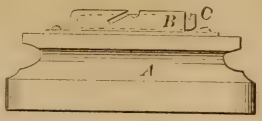
71153—W. Fields—*Propeller.*



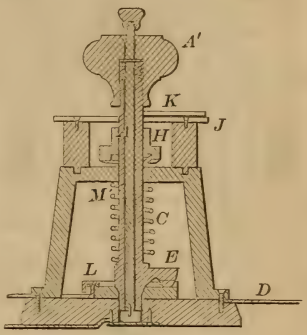
71156—A. Foubert—*For Distilling.*



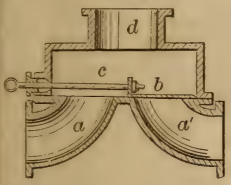
71157—W. L. Gallaudet—*Thread Cutter.*



71158—S. Gardiner, Jr.—*Electric Switch.*

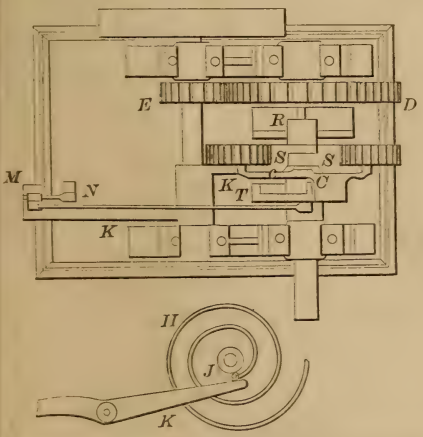


71159—E. Garfield—*Steam Engine.*

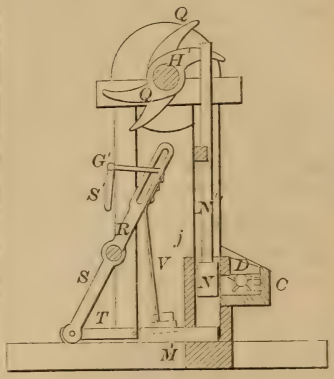


71161—C. P. Gorley—*Candlestick.*

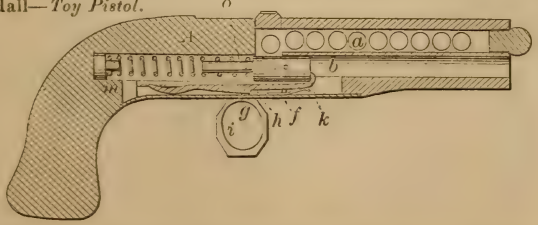
71160—J. E. Gillespie—*Motive Power Regulator.*



71163—E. M Hamilton—*For Pressing Peat, Clay, &c.*



71162—J. Hall—*Toy Pistol.*



71164—D. S. Harner—*Harvester.*

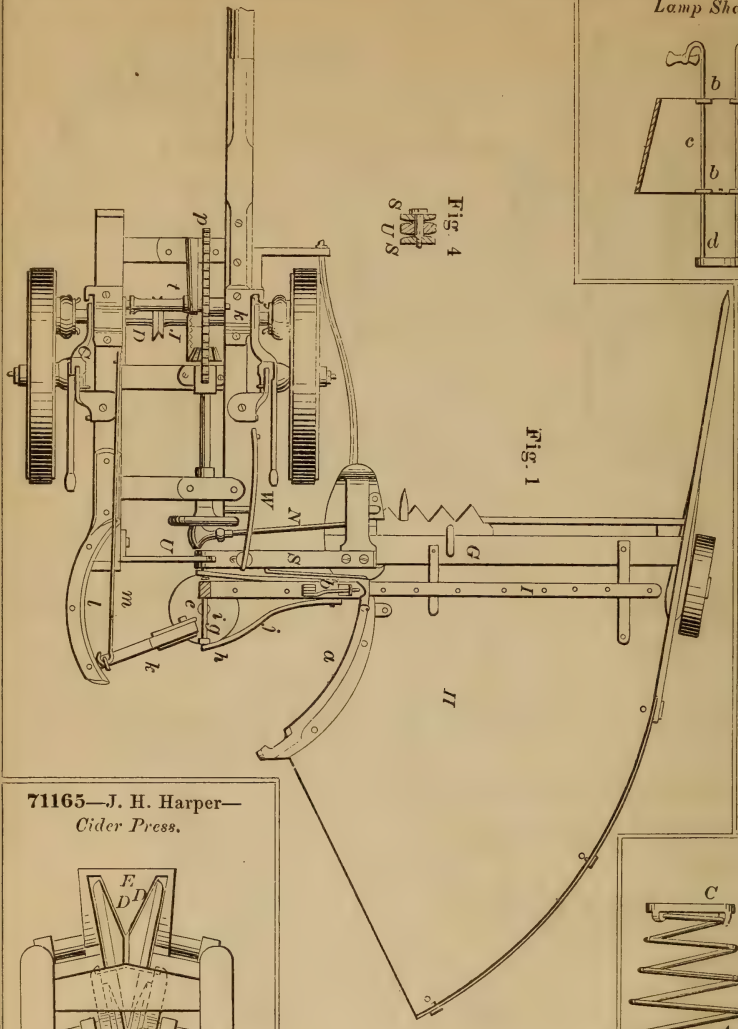
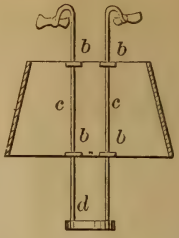


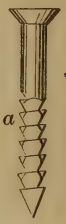
Fig. 4

Fig. 1

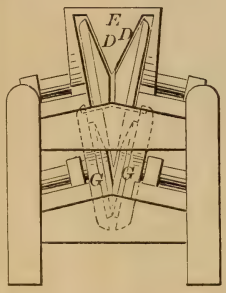
71168—E. K. Haynes—*Lamp Shade.*



71166—H. A. Harvey—*Screw Nail.*

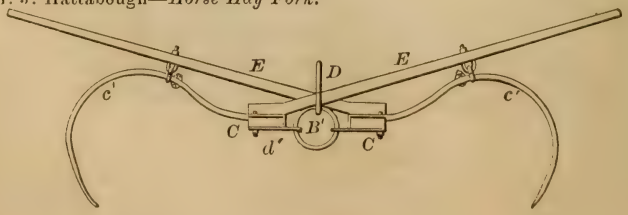


71165—J. H. Harper—*Cider Press.*

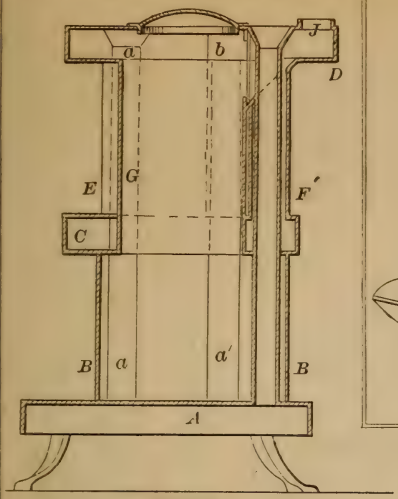


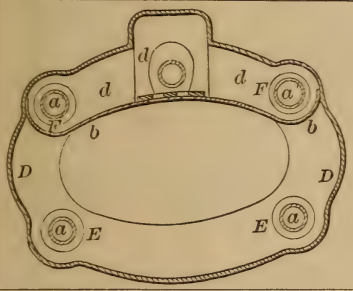
71169—E. S. Hayward—*Bed Spring*

71167—I. J. Hattabough—*Horse Hay Fork.*

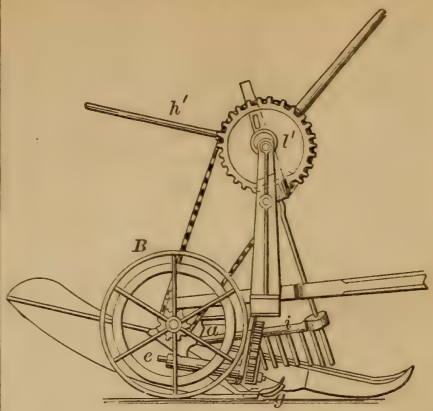


71171—T. Henney—*Hot Air Stove.*

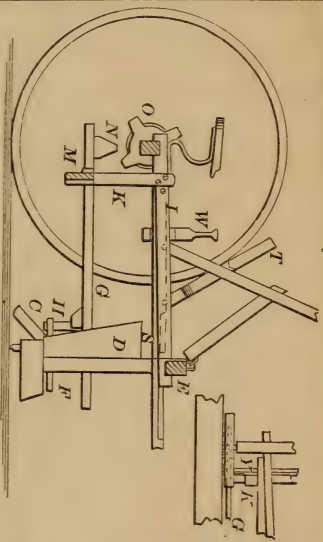




71175—Howard & Bousfield—*Harvester.*

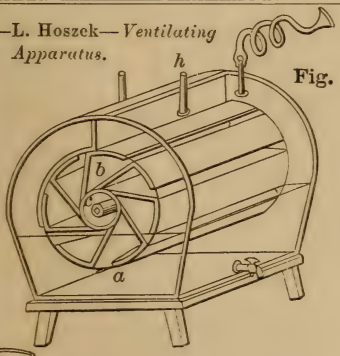


71172—Hitchcock & Deyo—*Corn Planter.*



71173—L. Hoszek—*Ventilating Apparatus.*

Fig. 1



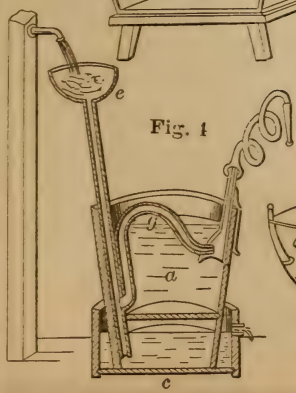
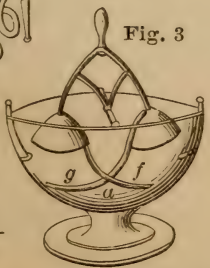
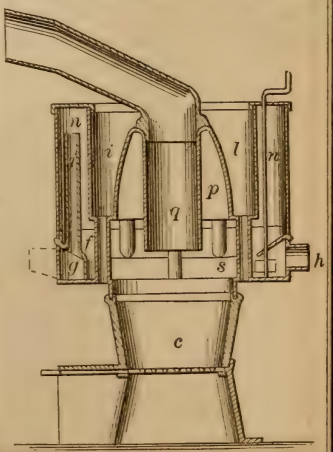


Fig. 4

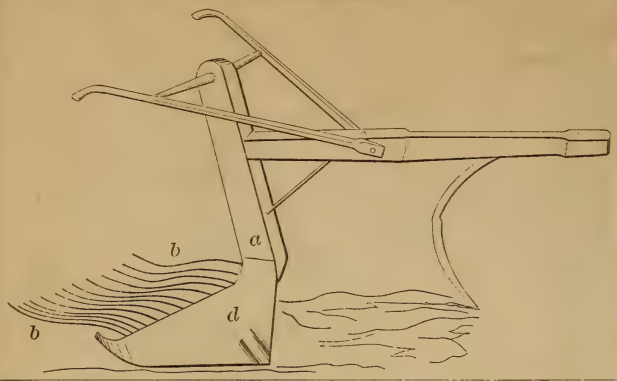
Fig. 3



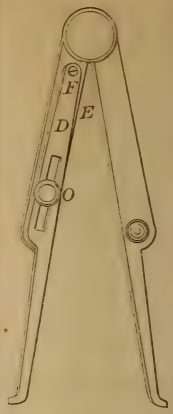
71176—M. C. Hull—*Heating Stove.*



71177—W. H. Hutchins—*Potato Digger.*

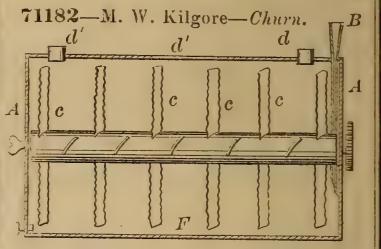


71178—M. G. Imbach—*Calipers or Dividers.*

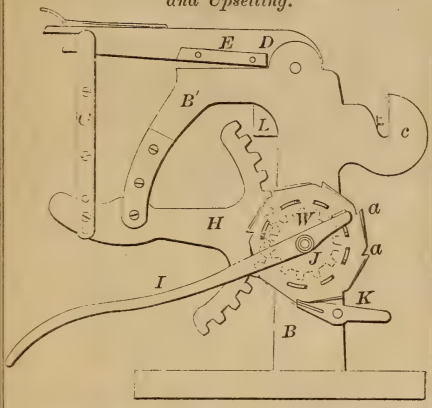


71179—G. W. Jackson—*Platform Scale.*

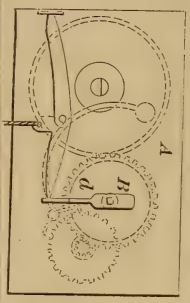
71182—M. W. Kilgore—*Churn.*



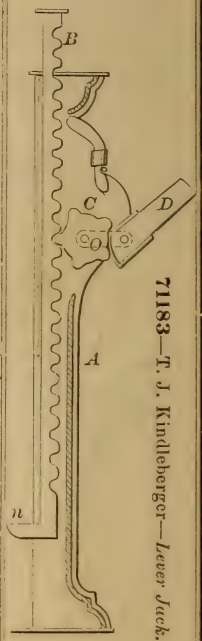
71181—A. A. Kent—*For Cutting, Punching and Upsetting.*



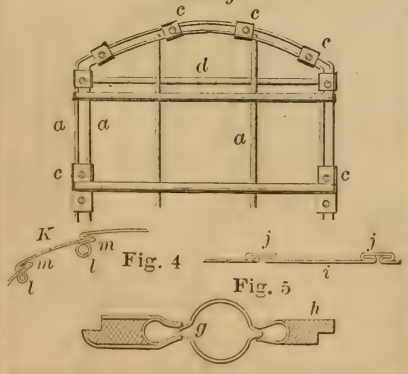
71180—E. C. C. Kellogg—*Burglar Alarm.*



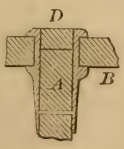
71183—T. J. Kindleberger—*Lever Jack.*



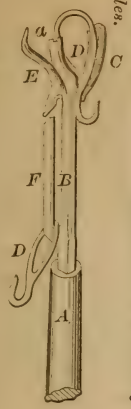
71185—B. J. La Mothe—*Construction of Buildings.*



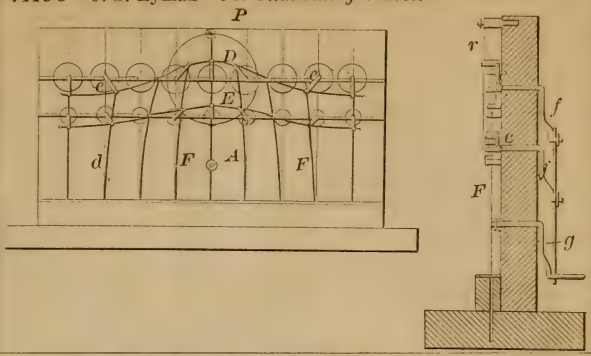
71184—H. W. Knight—*Attaching Picks to Handles.*



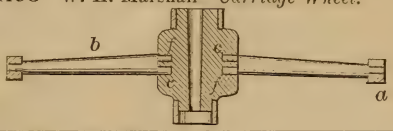
71186—W. C. Lane—*For Suspending and Detaching Articles.*



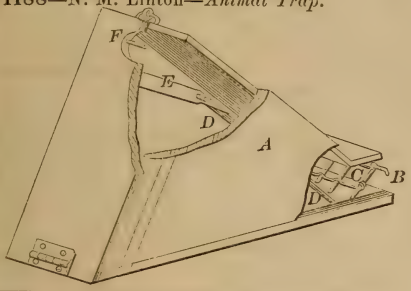
71190—C. S. Lyman—*For Illustrating Waves.*



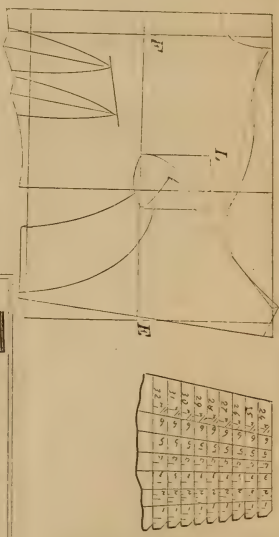
71193—W. H. Marshall—*Carriage Wheel.*



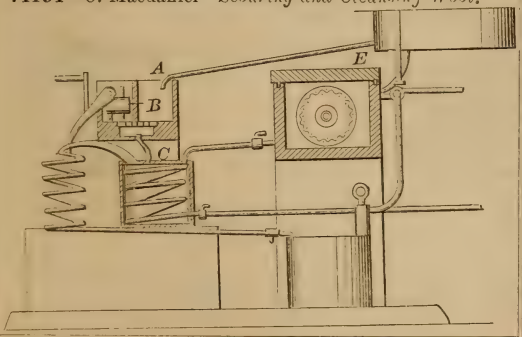
71188—N. M. Linton—*Animal Trap.*



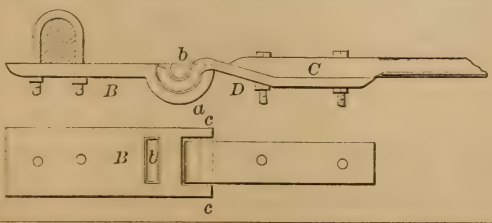
71192—J. Malnight—*Measuring and Cutting out Dresses.*



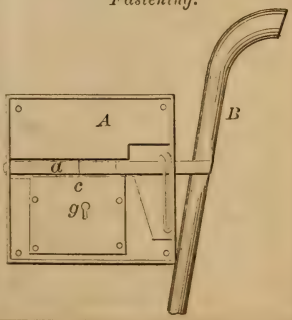
71191—O. Macdaniel—*Scouring and Cleansing Wool.*



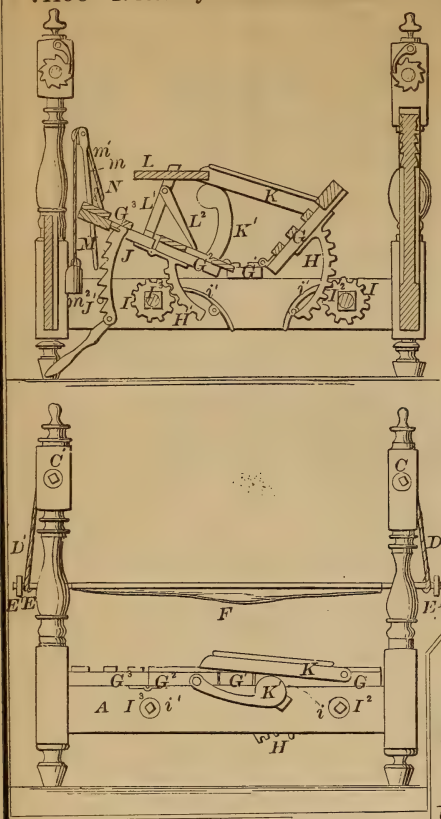
71194—O. L. Mather—*Attaching Thills to Vehicles.*



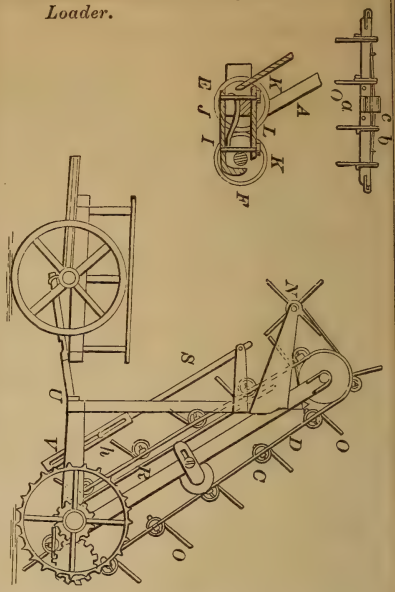
71195—G. McCoy—*Gate Fastening.*



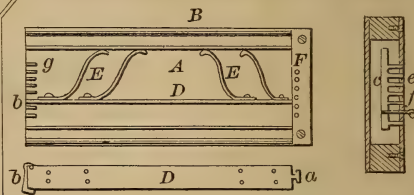
71196—T. McIlroy—*Invalid Bedstead.*



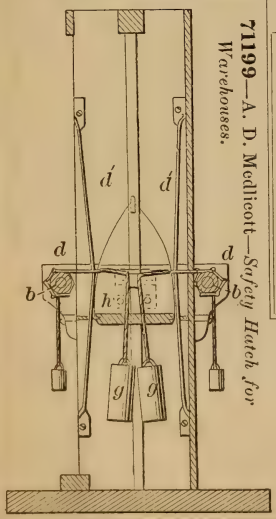
71198—G. C. Mead—*Hay Raker and Loader.*



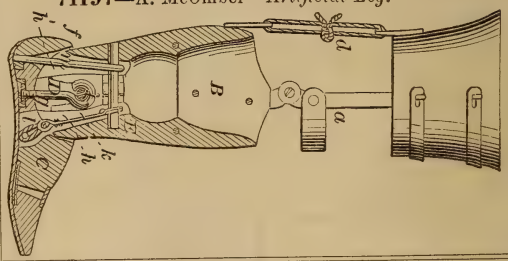
71200—P. G. Meek—*Printers' Galley.*



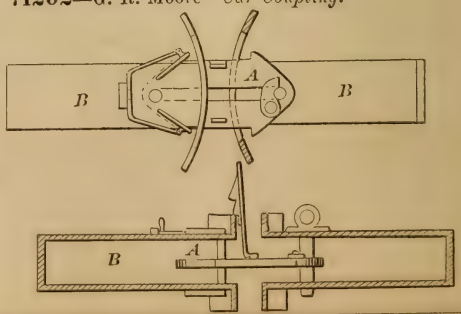
71199—A. D. McAlicott—*Safety Hatch for Warehouses.*



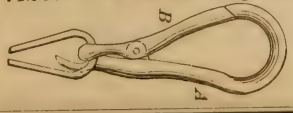
71197—A. McOmber—*Artificial Leg.*



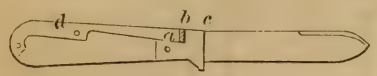
71202—G. R. Moore—*Car Coupling.*



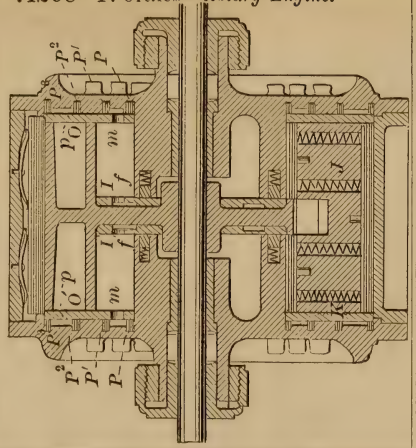
71201—C. H. Miller—*Snap Hook.*



71211—F. B. Perry—*Pocket Cutlery.*

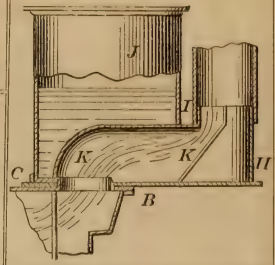


71208—F. Ortlieb—*Rotary Engine.*

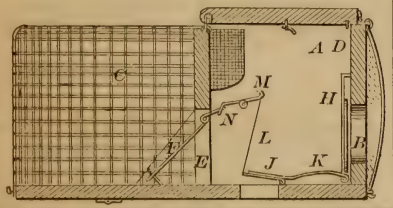


71209—A. Palmer—*Hame Fastener.*

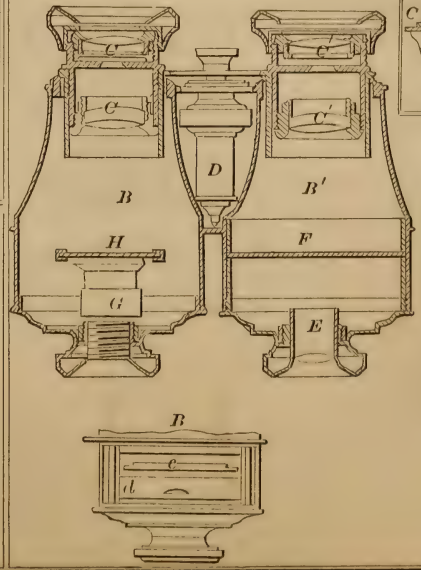
71207—C. Olhaber—*Water Boiler for Cooking Stoves.*



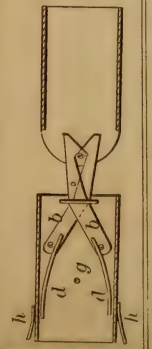
71206—H. Ogborn—*Animal Trap.*



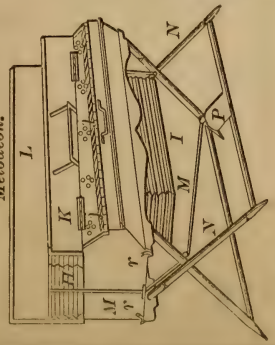
71205—O. Nicour—*Photographic Apparatus.*

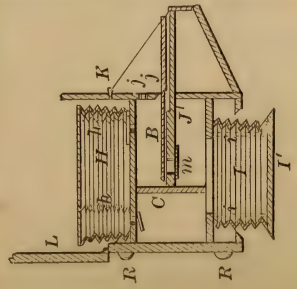


71203—G. R Moore—*Car Coupling*

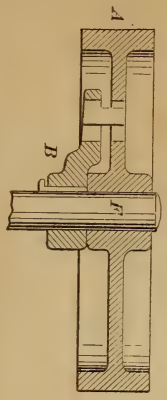


71204—Müller & Kaiser—*Flutina Melodeon.*

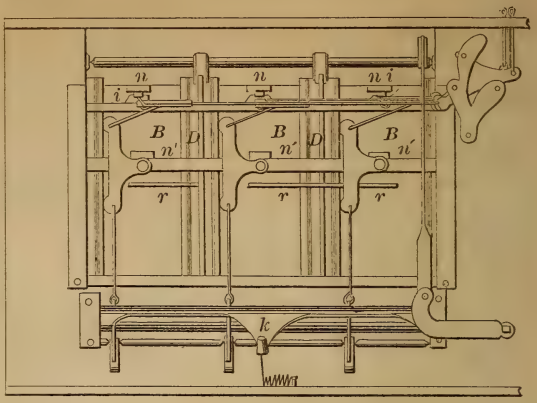




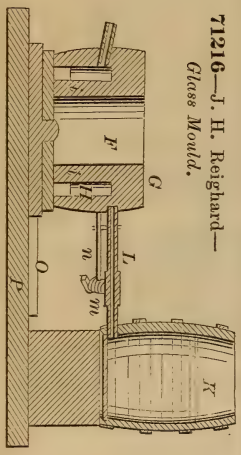
71212—E. S. Pierce—*Balance Wheel.*

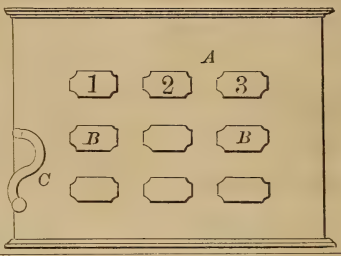


71214—H. B. Porter—*Hotel Annunciator.*

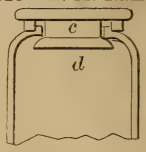


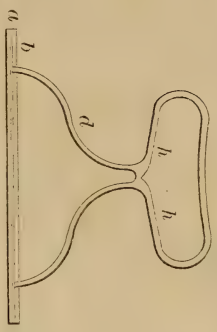
71216—J. H. Reighard—*Glass Mould.*



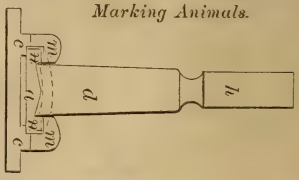


71215—G. M. Ramsay—*Air Tight Jar.*

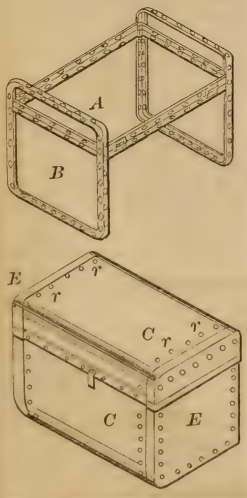




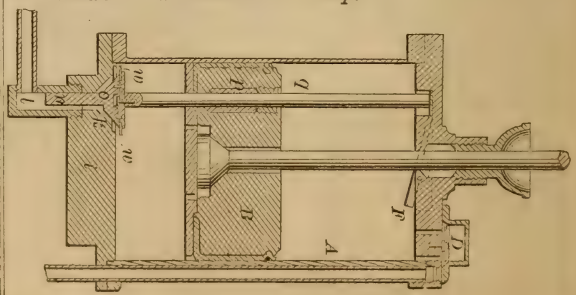
71217—F. H. Richards—*Brand for Marking Animals.*



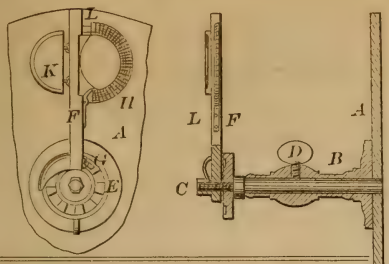
71219—S. S. Ritter—*Trunk.*



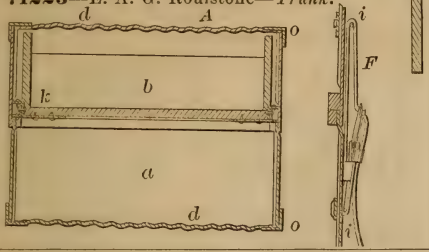
71218—E. S. Ritchie—*Air Pump.*



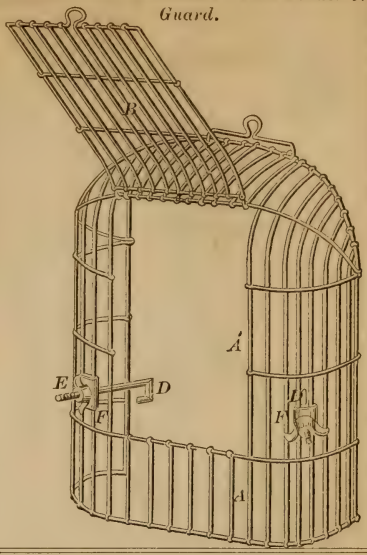
71220—J. Rohr—*Baby Walker.*



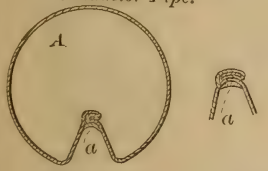
71223—E. A. G. Roulstone—*Trunk.*



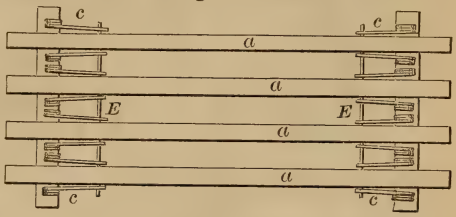
71224—C. H. S. Schultz—*Fire Fender or Guard.*



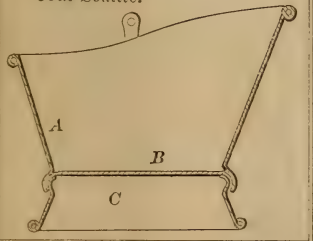
71222—J. C. Rohrman—*Conductor Pipe.*



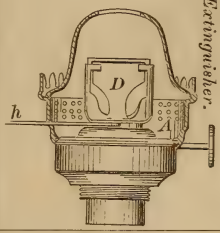
71225—Scott & Burdge—*Bed Bottom.*



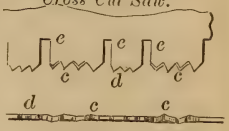
71226—Scott. Scott & Miller—*Coal Scuttle.*



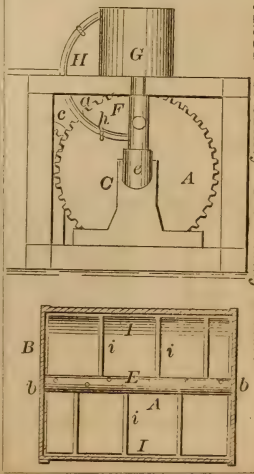
71221—F. Rohrer—*Lamp Extinguisher.*



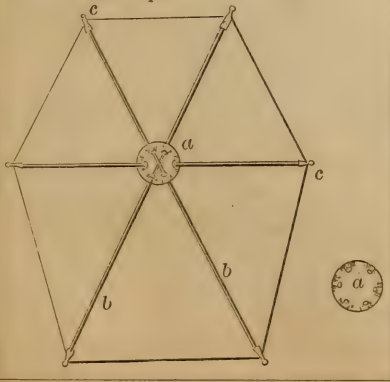
71227—A. M. Seabury—*Cross Cut Saw.*



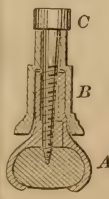
71231—J. Shelley—*For Mixing Mortar.*



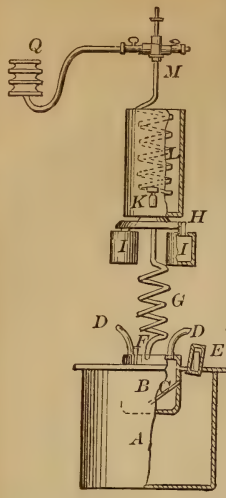
71232—J. Shepard—*Kite Frame.*



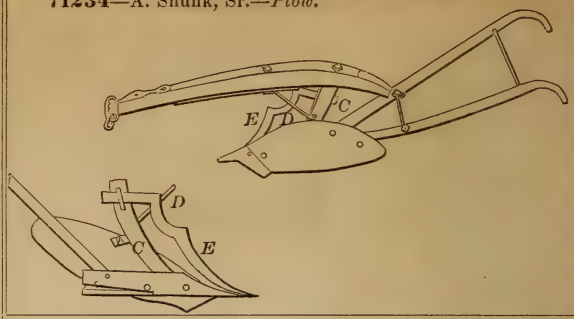
71228—A. Searls—*Carriage Top Prop.*



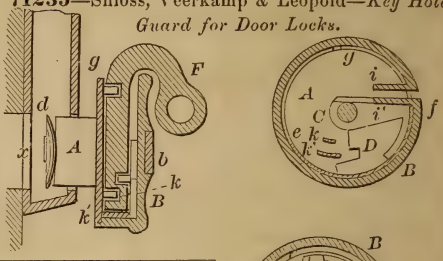
71233—J. Shoemaker—*Manufacturing Gas.*



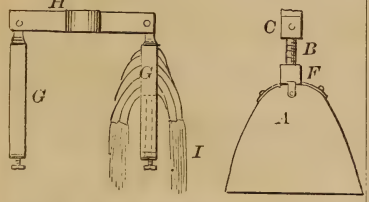
71234—A. Shunk, Sr.—*Plow.*



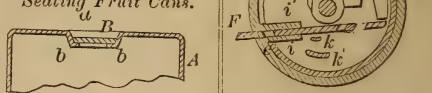
71235—Shloss, Veerkamp & Leopold—*Key Hole Guard for Door Locks.*



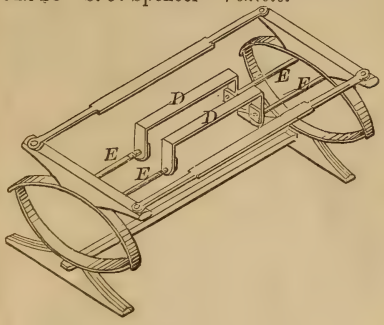
71238—L. S. Smith—*Broom Head.*



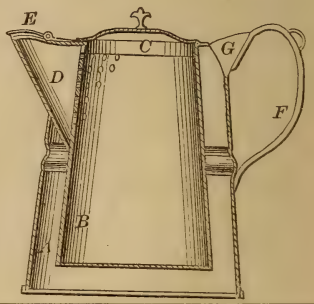
71239—C. F. Spencer—*Sealing Fruit Cans.*



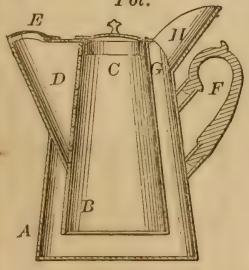
71240—S. J. Spencer—*Vehicle.*



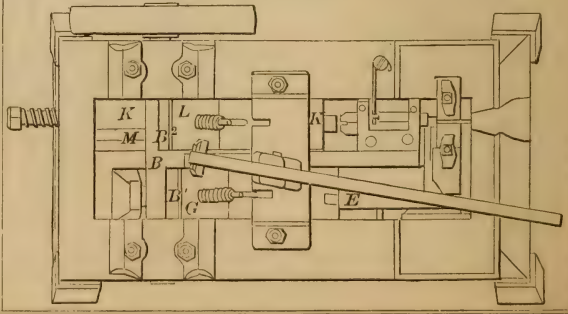
71236—J. B. Smith—*Coffee Pot*



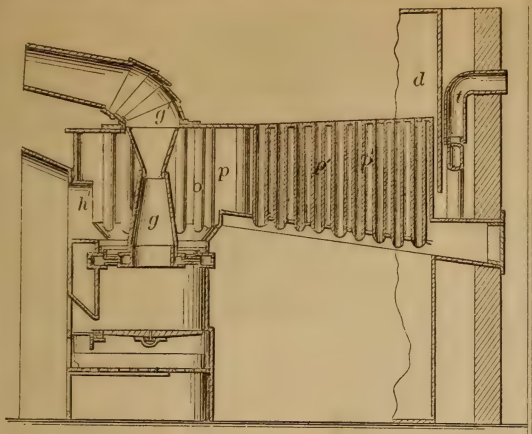
71237—J. B. Smith—*Coffee Pot.*



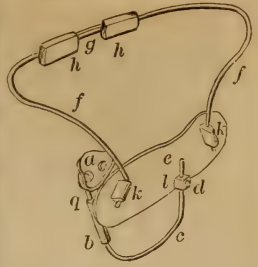
71243—W. Swathel—*For Heading Bolts.*



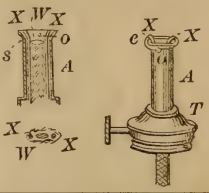
71244—J. M. Thatcher—*Air Heating Furnace.*



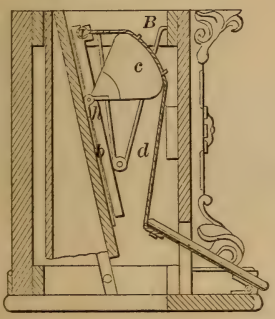
71246—J. Thompson—*Abdominal Supporter.*



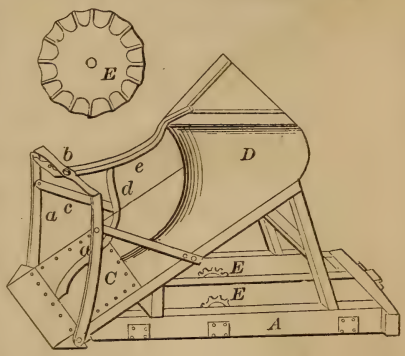
71248—C. N. Tyler—*Lamp.*



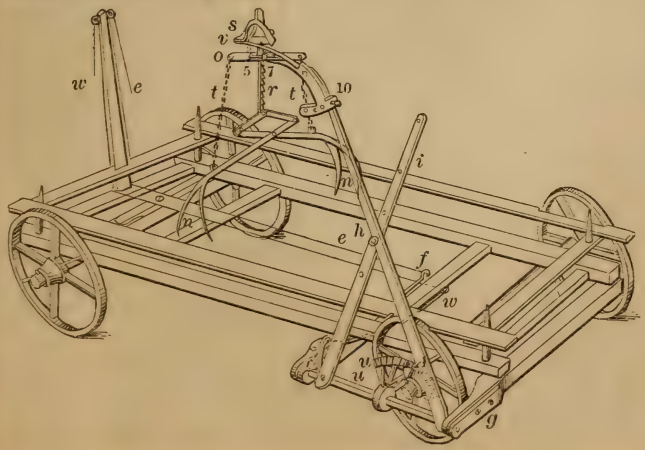
71245—E. H. Thomas, Jr.—*Organ Bellows.*



71249—P. Vonlackum—*Snow Plow.*

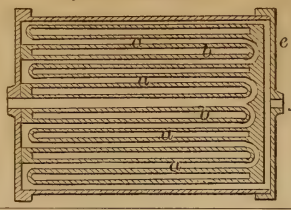


71250—A. Vose—*Hay Loader.*

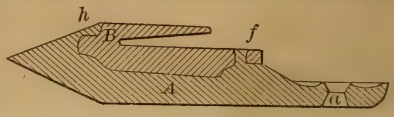


71247—S. A. Traugh—*Car Wheel.*

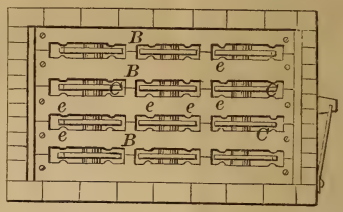
71251—R. L. Walker—*Water Grate for for Furnaces.*



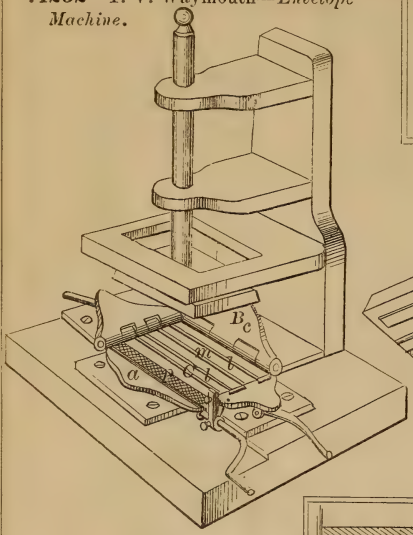
71257—W. A. Wood—*Harvester Guard Finger.*

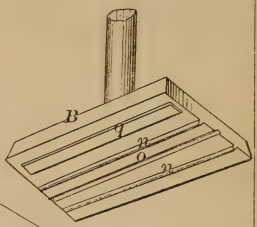


71253—M. D. Wellman—*Grate.*

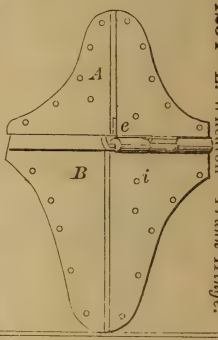


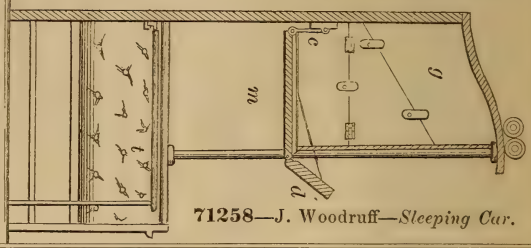
71252—T. V. Waymouth—*Envelope Machine.*





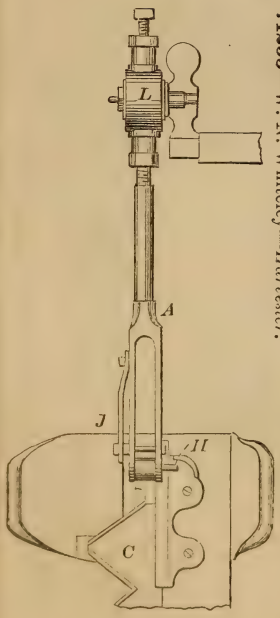
71254—L. Wheaton—*Trunk Hinge.*



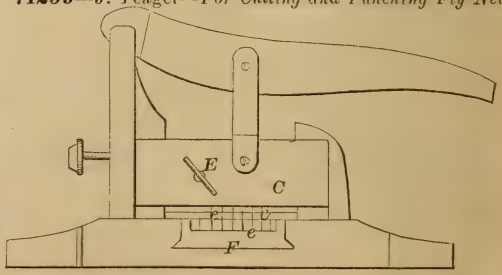


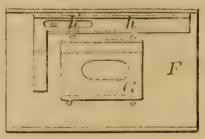
71258—J. Woodruff—*Sleeping Car.*

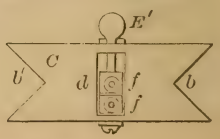
71255—W. N. Whiteley—*Harvester.*



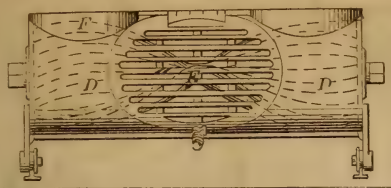
71259—J. Yeager—*For Cutting and Punching Fly Nets.*



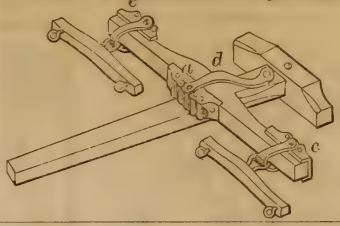




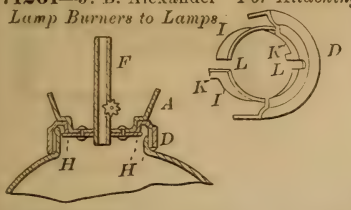
71260—W. Young—*Grate, Fireplace and Furnace.*



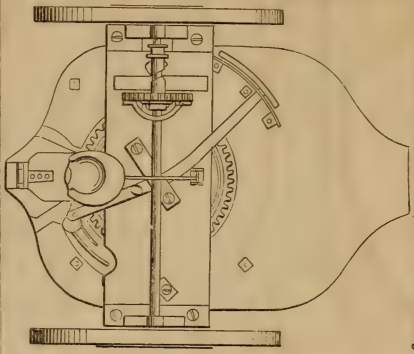
71262—C. L. Ames—*Carriage Evener.*

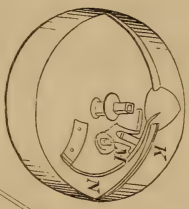


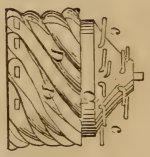
71261—J. B. Alexander—*For Attaching Lamp Burners to Lamps.*



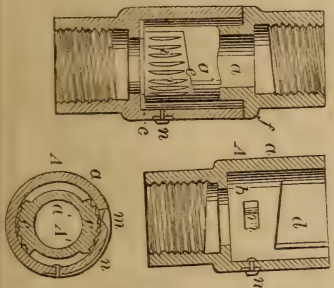
71263—J. Armstrong—*For Planting Cotton Seed.*



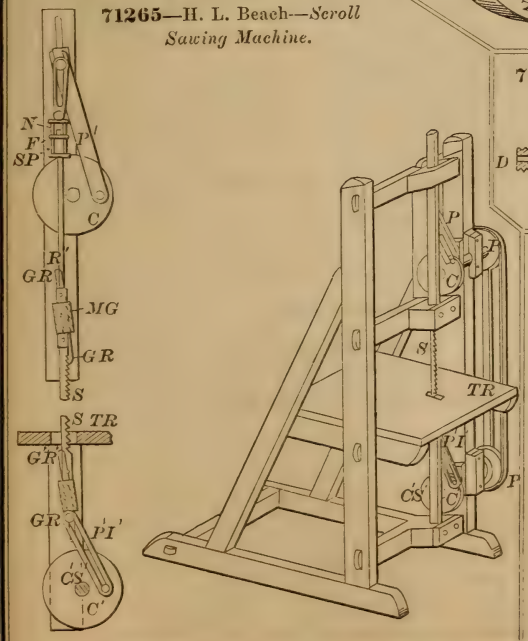




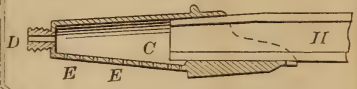
71266—W. G. Bedford—*Hose Coupling.*



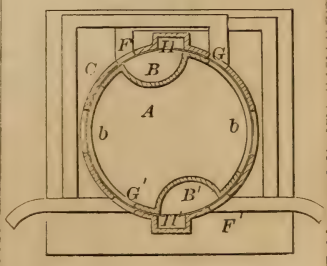
71265—H. L. Beach—*Scroll Sawing Machine.*



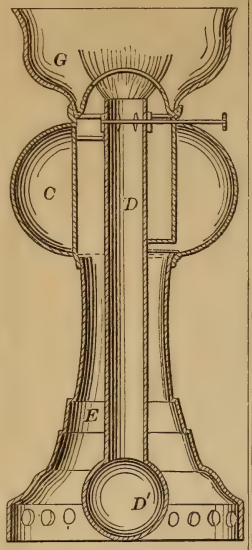
71264—W. D. Baughn—*Thimble Skein for Axles.*



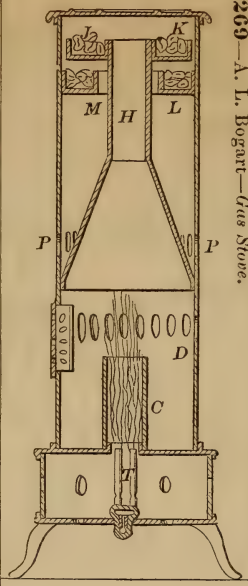
71267—L. Begon—*Steam Rotary Valve.*



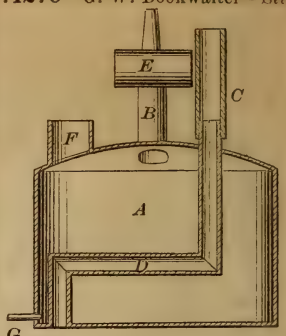
71268—G. A. Beidler—*Lamp.*



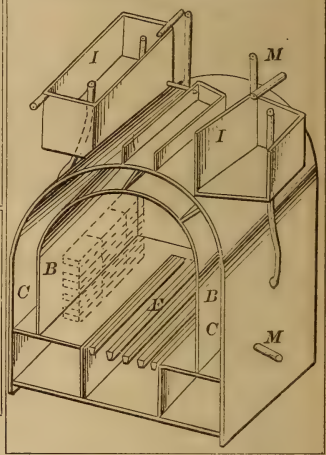
71269—A. L. Bogart—*Gas Stove.*



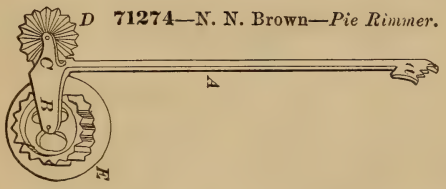
71270—G. W. Bookwalter—*Still.*



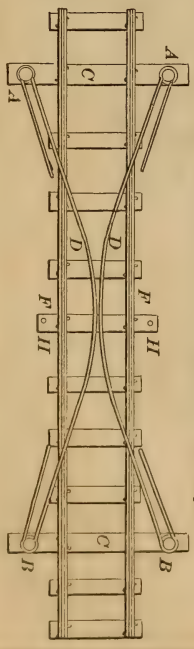
71271—Brady & Sloan—*Furnace for Roasting Ores.*



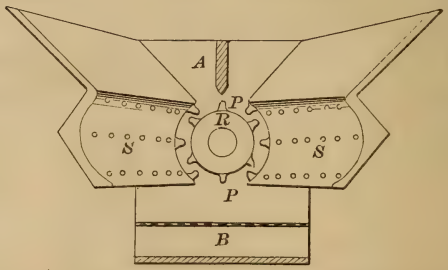
71274—N. N. Brown—*Pie Rimmer.*



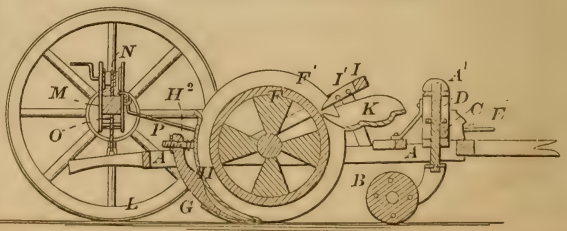
71272—C. Brenneman—*Cattle Guard for Railways.*



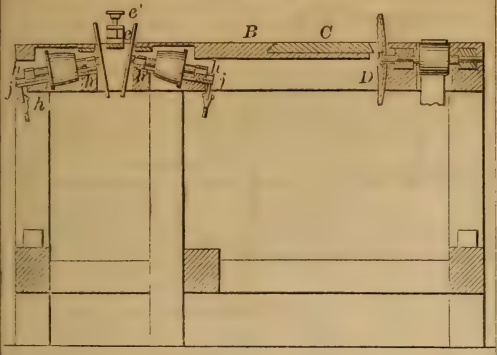
71273—W. H. Bridgens—*Pea Sheller.*

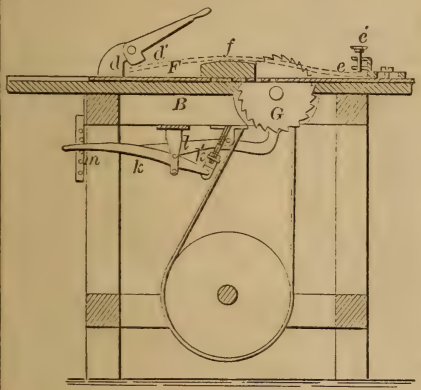


71275—Bymer & Imlay—*Ditching Machine.*

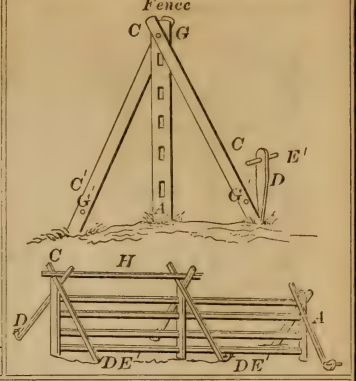


71276—F. O. Clark—*Stave Machine.*

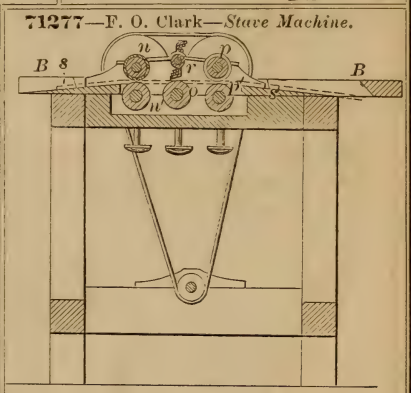




71278—J. M Clark—*Portable Fence*

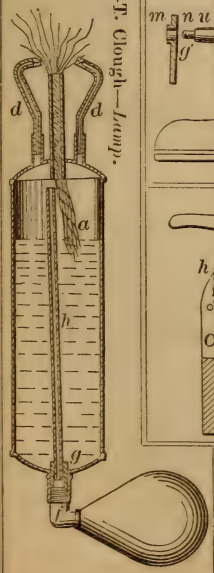


71277—F. O. Clark—*Stave Machine.*

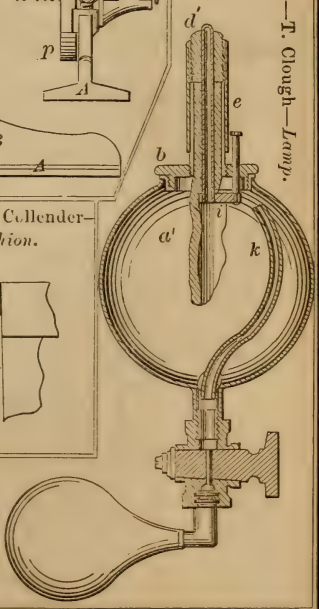


71279—P. Clifford—*Adjustable Spirit Level.*

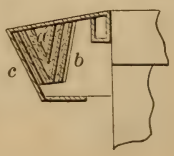
71280—T. Clough—*Lamp.*



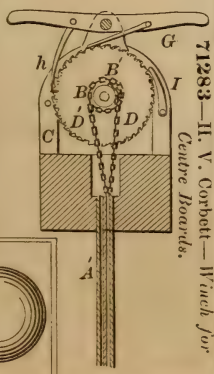
71281—T. Clough—*Lamp.*



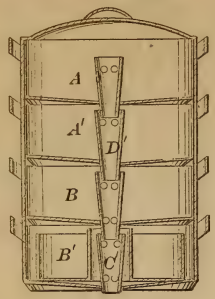
71282—H. W. Collender—*Billiard Cushion.*



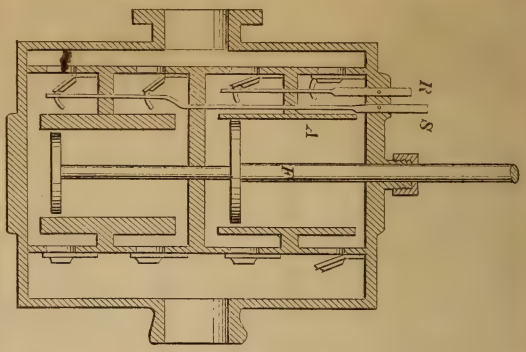
71283—H. V. Corbett—*Winch for Centre Boards.*



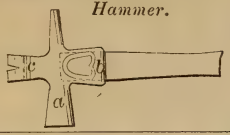
71284—M. C. Cronk—*Steamer for Cooking.*



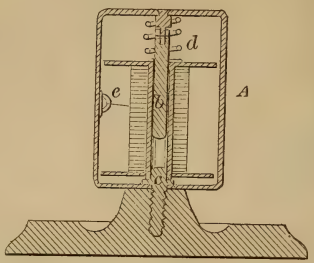
71287—Dennisson & Gould—*Pump for Fire Engines.*



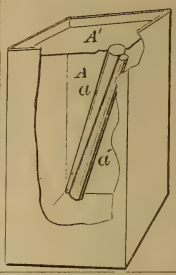
71290—T. Evans—*Tack Hammer.*



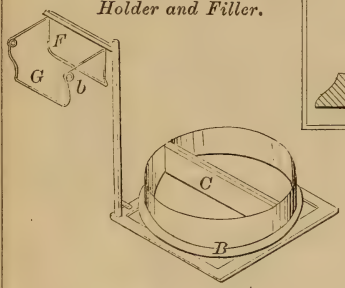
71291—J. Fewkes—*Spool Support.*



71288—Eaton & Ireland—*Safe.*

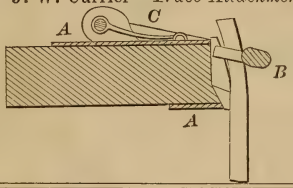


71286—A. M. Darling—*Bag Holder and Filler.*

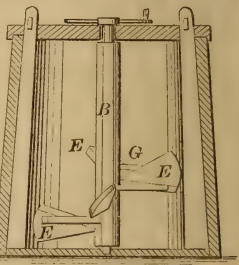


71292—J. H. Fleming—*Windlass Crank Power.*

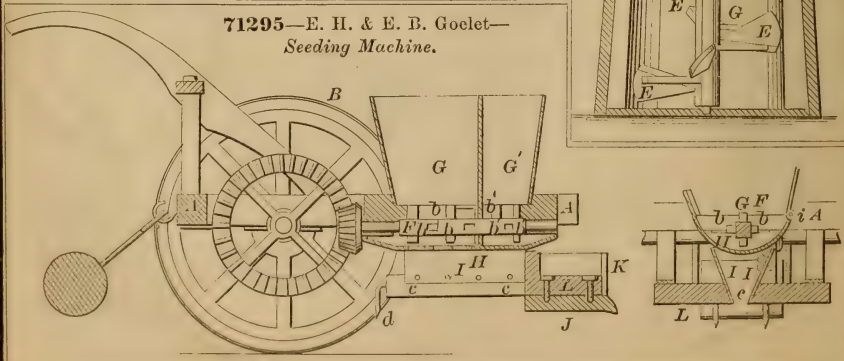
71285—J. W. Currier—*Trace Attachment for Whiffletrees.*



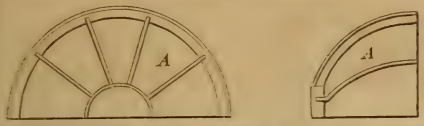
71289—A. N. Elzy—*Churn.*



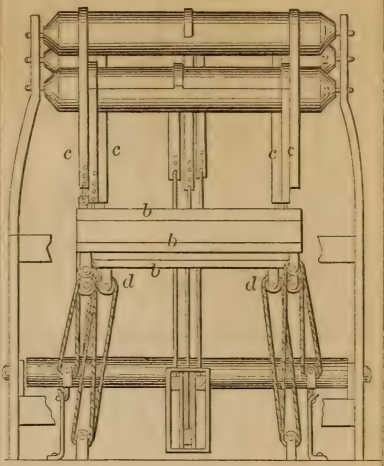
71295—E. H. & E. B. Goelet—*Seeding Machine.*



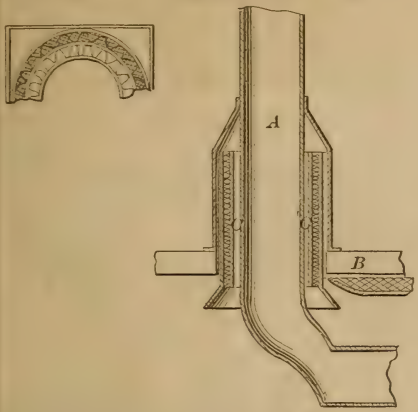
71297—J. Habermehl—*Fire Back for Grates.*



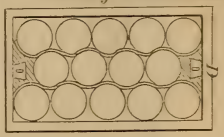
71299—W. Hainsworth—*Loom.*



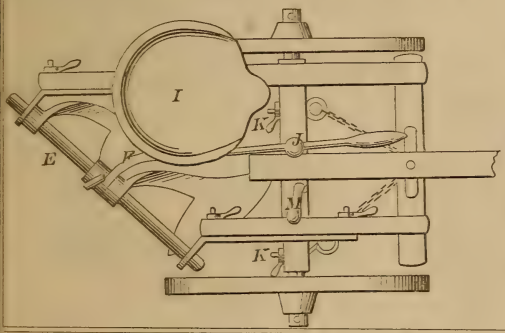
71300—J. B. Harris—*Packing for Smoke Flues.*



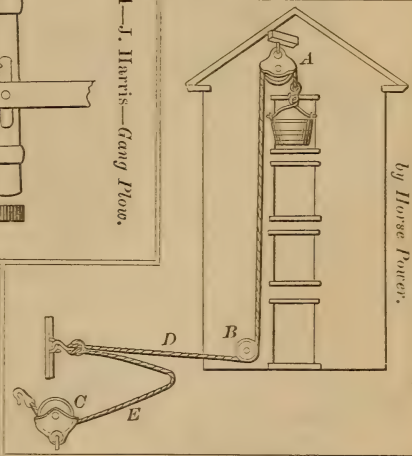
71298—F. L. Hagadorn—*Packing Ammunition.*



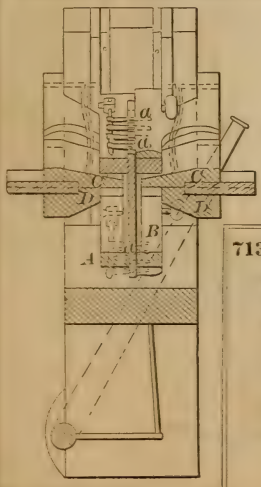
71301—J. Harris—*Gang Plow.*



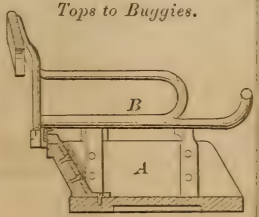
71303—W. H. Hawley—*For Elevating by Horse Power.*



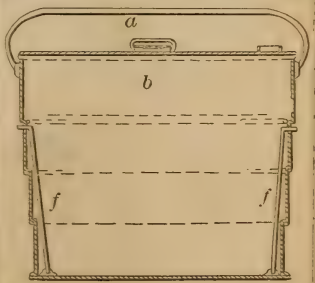
71302—P. Hatch—*Saw Filing Machine.*



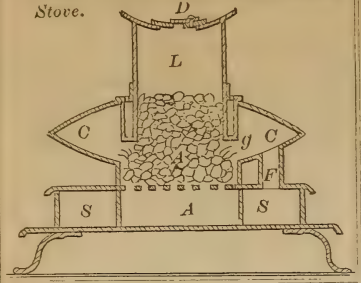
71304—H. F. Holt—*Fastening Tops to Buggies.*



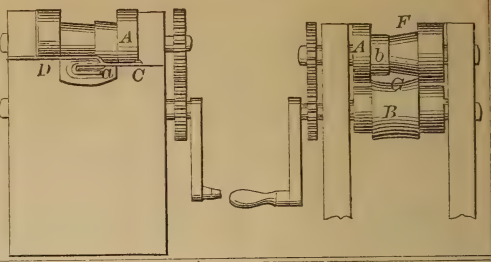
71305—D. Howarth—*Dinner Pail.*



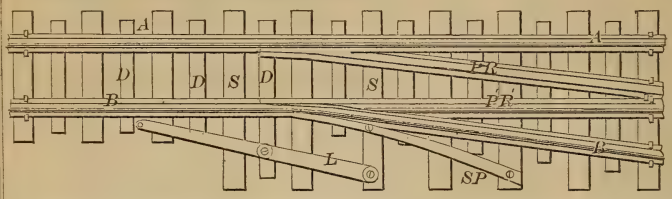
71306—G. G. Hunt—*Base Burning Stove.*



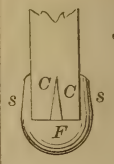
71310—G. H. Kendall—*For Pressing Reins.*



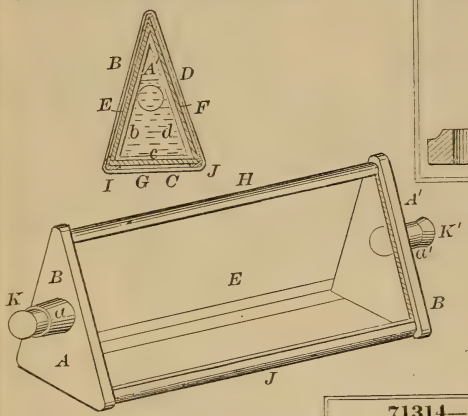
71308—C. W. Jones—*Railway Switch.*



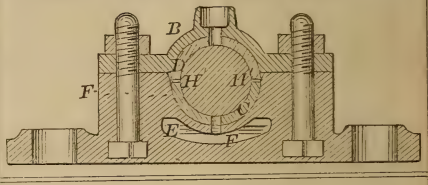
71311—J. W. Kendall—*Foot for Tubs.*

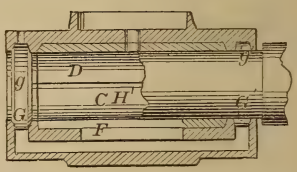


71309—B. Kane—*Water Prism.*

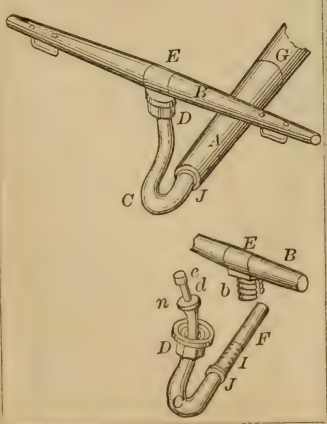


71313—P. P. Lane—*Journal Box.*

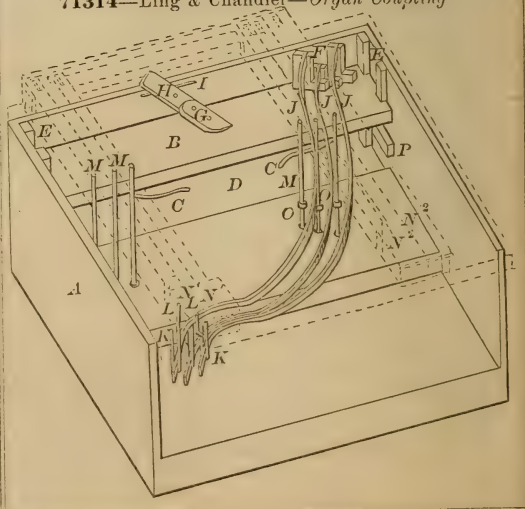




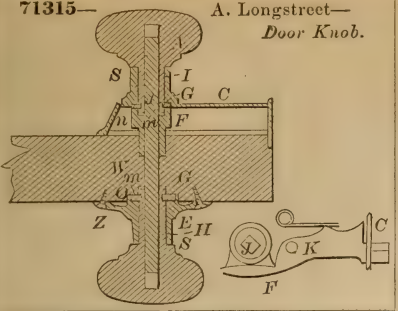
71312—H. J. Lamm—*Neck Yoke Fastening.*



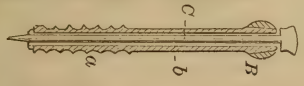
71314—Ling & Chandler—*Organ Coupling*



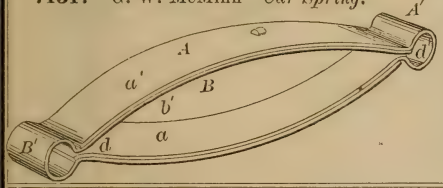
71315— A. Longstreet— *Door Knob.*



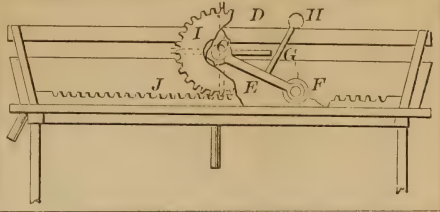
71316—S. McCoun—*Corkscrew.*



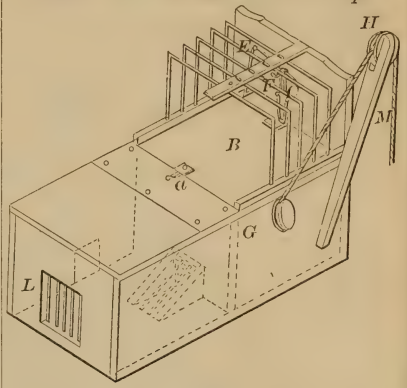
71317—G. W. McMinn—*Car Spring.*



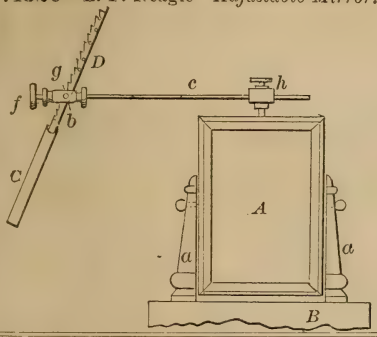
71318—W. C. Moser—*Butter Worker.*

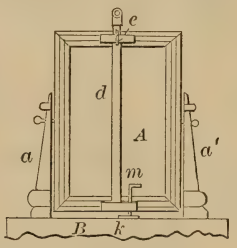


71321—G. J. Parham—*Animal Trap.*

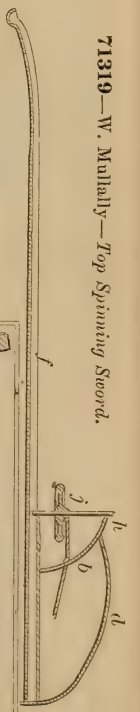


71320—L. F. Neagle—*Adjustable Mirror.*

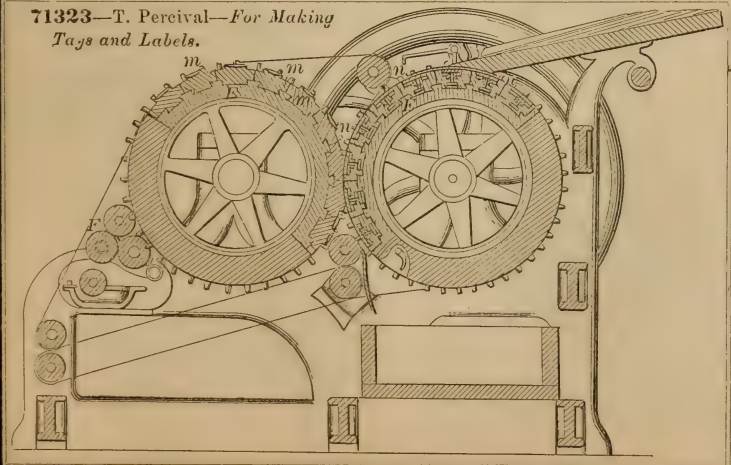




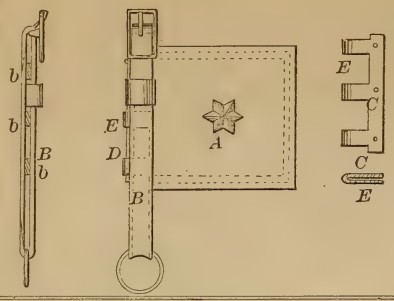
71319—W. Mullally—*Toy Spinning Sword.*



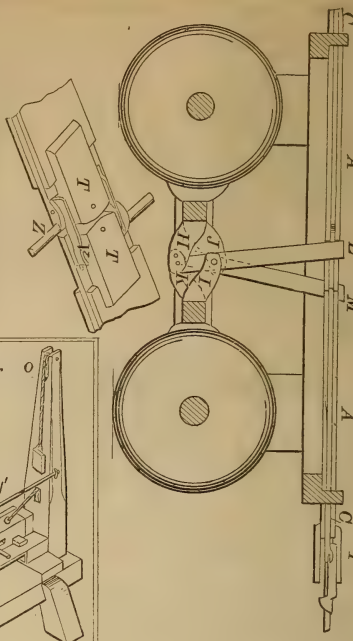
71323—T. Percival—*For Making Tays and Labels.*



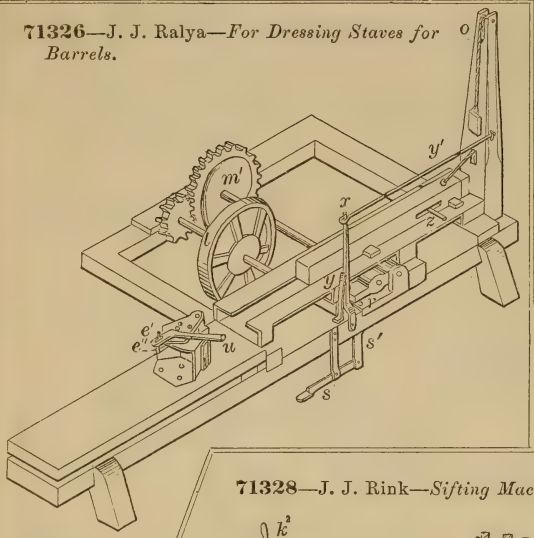
71324—J A. Putt—*Bridle.*



71325—Quick & Wallis—*Car Brake.*

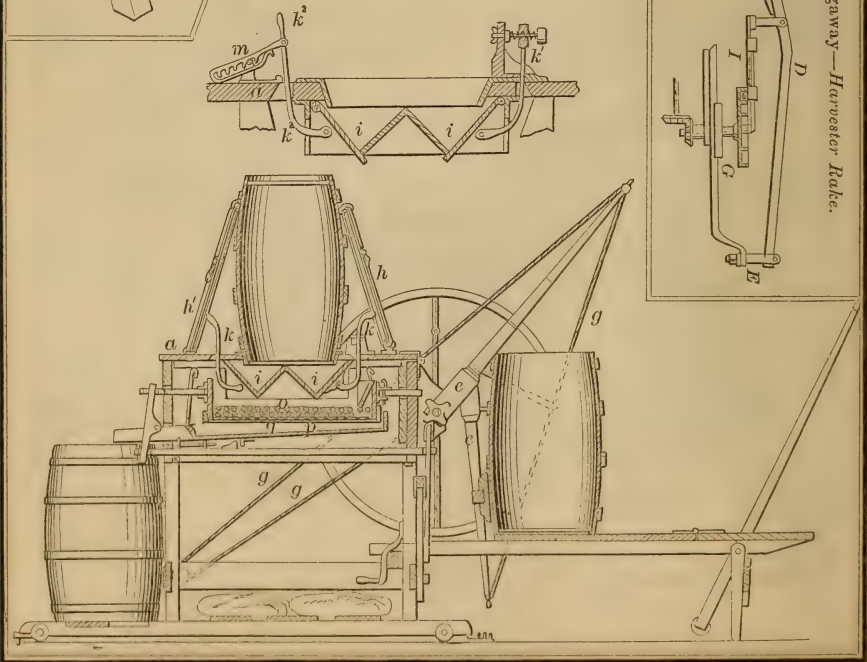


71326—J. J. Ralya—*For Dressing Staves for Barrels.*

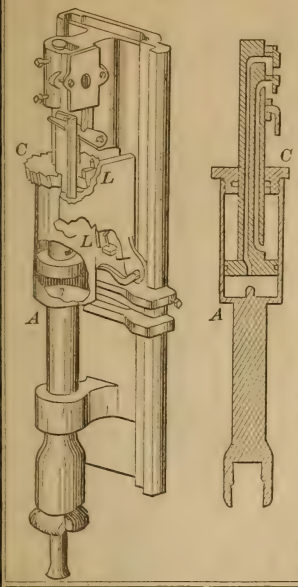


71327—S. C. Ridgaway—*Harvester Rake.*

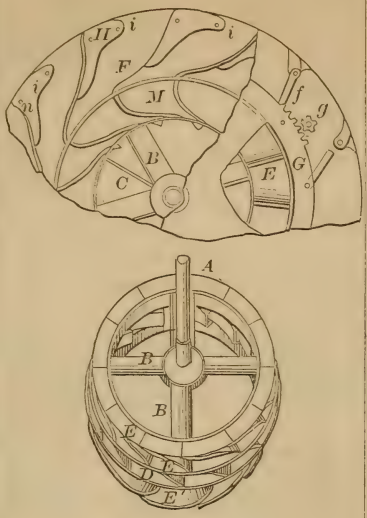
71328—J. J. Rink—*Sifting Machine.*



71329—Robinson & Wood—*Rock Drilling Machine.*

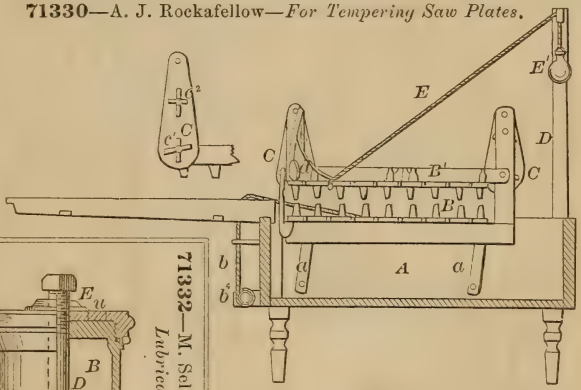


71335—H. W. Shipley—*Water Wheel.*

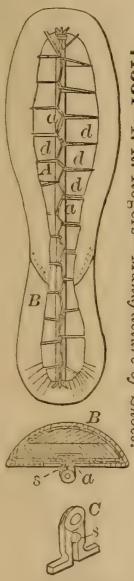


71334—J. Shearer—*Horse Hay Fork.*

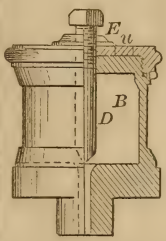
71330—A. J. Rockafellow—*For Tempering Saw Plates.*



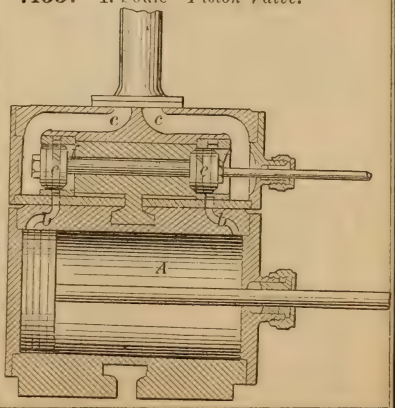
71331—I. R. Rogers—*Manufacture of Shoes.*



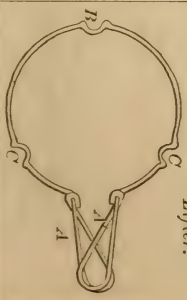
71332—M. Sellers—*Journal Lubricator.*



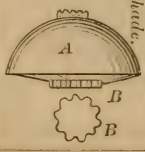
71337—I. Soule—*Piston Valve.*



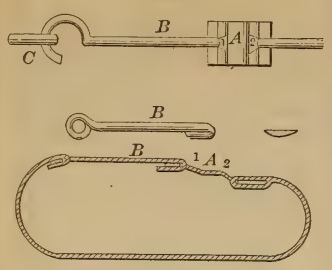
71336—J. M. Smith—*Plate Lifter.*



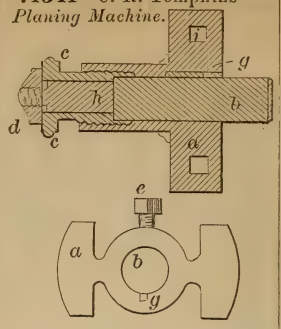
71333—W. F. Shaw—*Lamp Shade.*



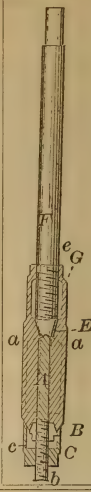
71338—J. R. Speer—*Cotton Bale Tie.*



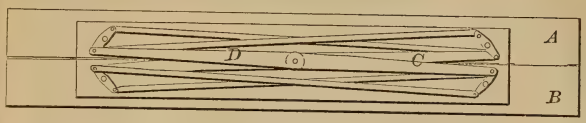
71341—C. R. Tompkins—*Planing Machine.*



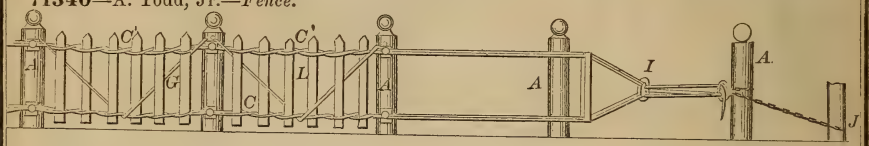
71339—Sylvester & Brooks—*Reaming Tool.*



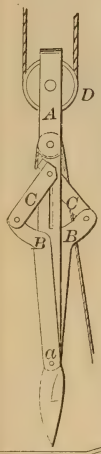
71342—A. J. Vandegrift—*Parallel Movement.*



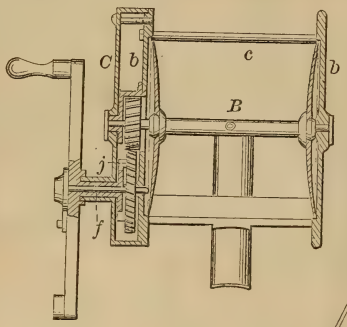
71340—A. Todd, Jr.—*Fence.*



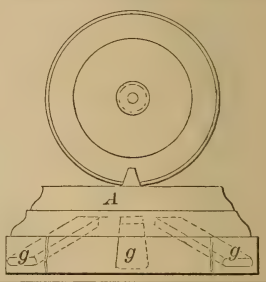
71343—P. Vanderbelt, Jr.—*Horse Hay Fork.*



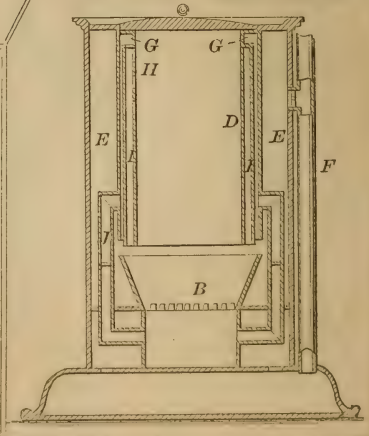
71344—J. Vom Hofe—*Fishing Reel.*



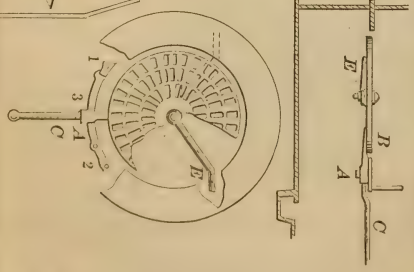
71346—W. Weaver—*Insect Trap.*



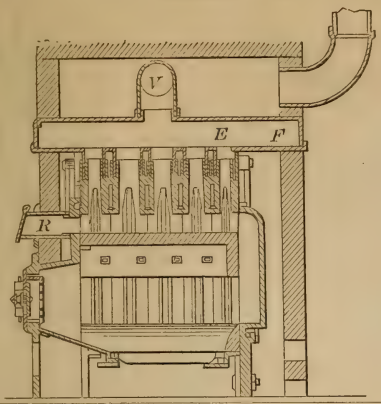
71347—C. M. Whelden—*Stove.*



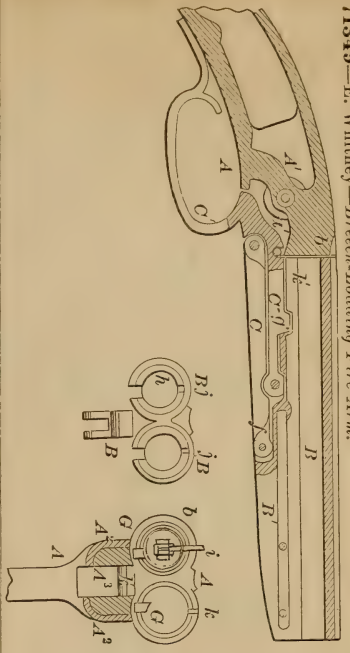
71345—Waters & Brown—*Stove Grate.*



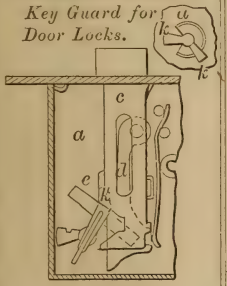
71348—Whitaker & Constantine—*Hot Air Furnace.*



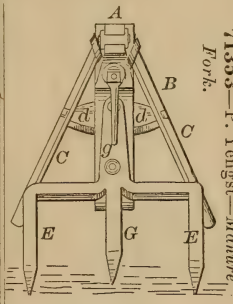
71349—E. Whitney—*Breech-Loading Fire Arm.*



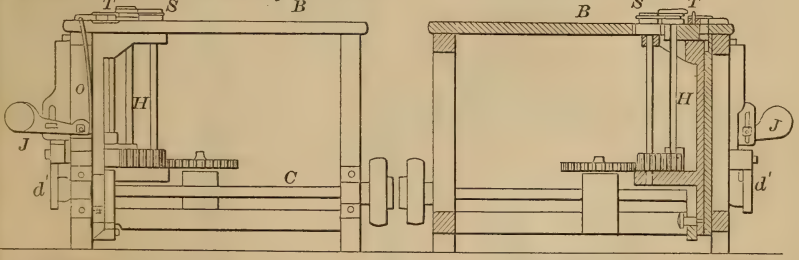
71350—J. Wiard—*Key Guard for Door Locks.*



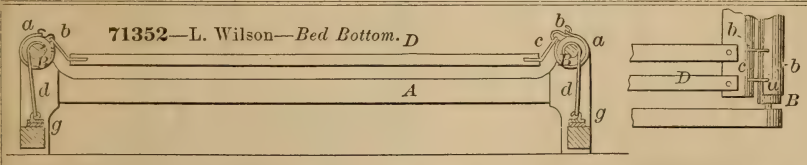
71353—P. Yengst—*Manure Fork.*



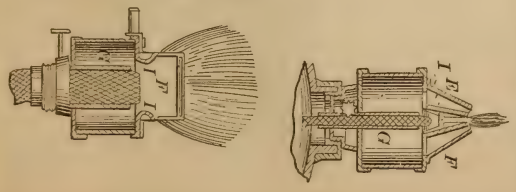
71351—J. Wild—*For Making Metal Boxes.*



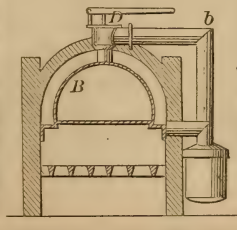
71352—L. Wilson—*Bed Bottom.*



71354—H. Young—*Lamp.*

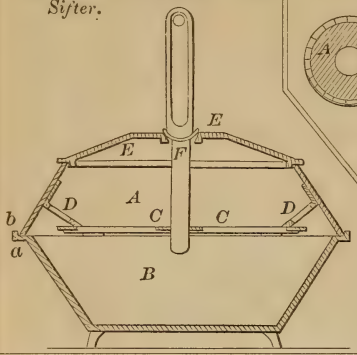


71355—C. Adams—*Reducing Manganese Ores.*

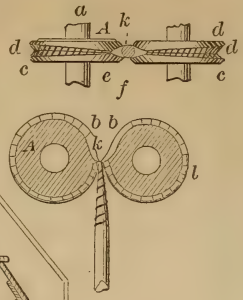


71357—J. Barron—*Elastic Rocker for Chairs.*

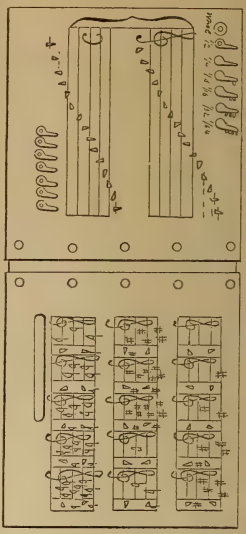
71358—G. W. Bishop—*Ash Sifter.*



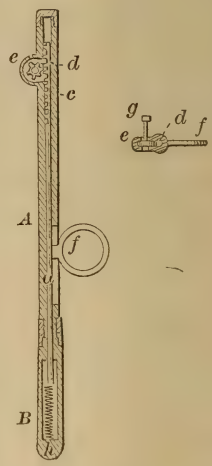
71360—G. B. Brayton—*Die for Threading Screws.*



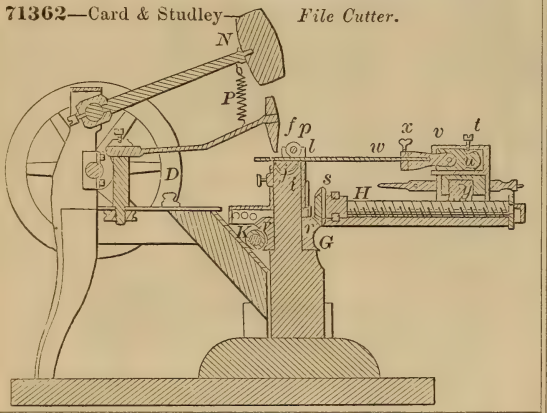
71359—J. Branique—*Musical Tablet.*



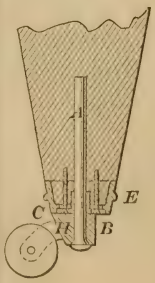
71361—H. F. Bryant—*Dental Drill.*



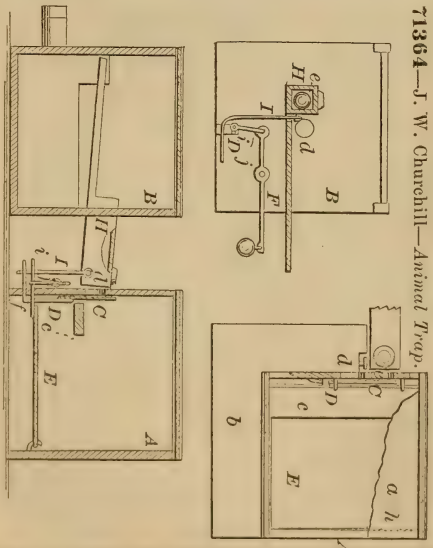
71362—Card & Studley—*File Cutter.*



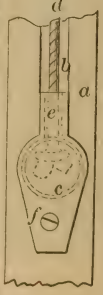
71363—L. F. Cerf—*Furniture Caster.*



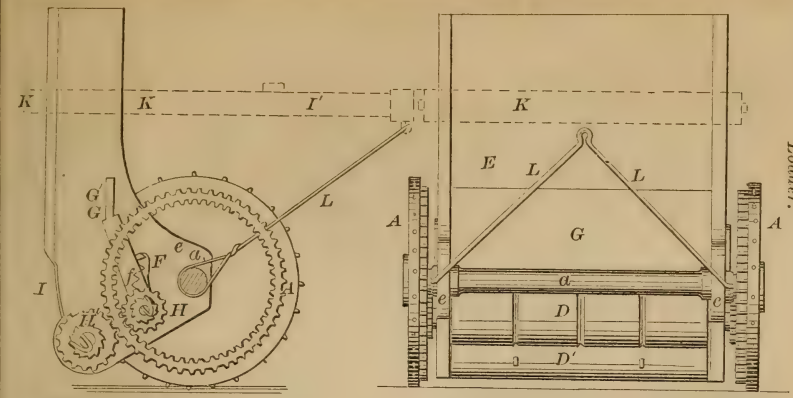
71364—J. W. Churchill—*Animal Trap.*



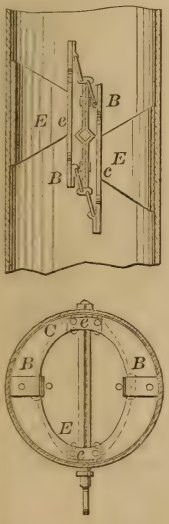
71365—J. Correja—*Sash Cord Fastener.*



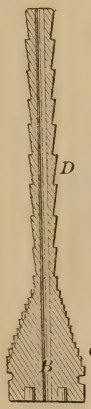
71366—E. N. Curtice—*Hay Raker and Loader.*



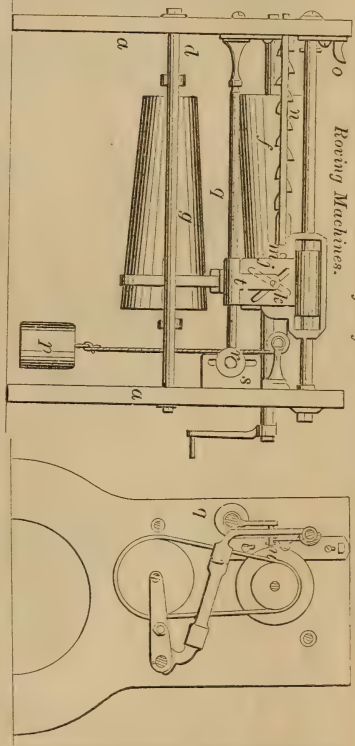
71368—E. T. Duke—*Stove Damper.*



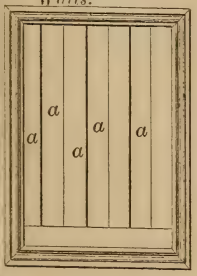
71371—C. H. Fiske—*Bobbin.*



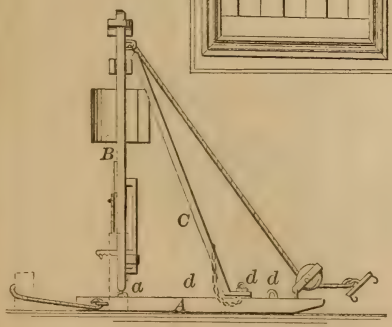
71369—J. Edwards—*Belt Shifter for Roving Machines.*



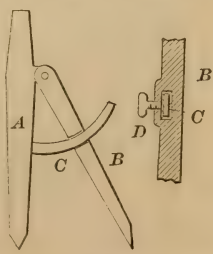
71367—A. R. Davis—*Covering for Plastered Walls.*



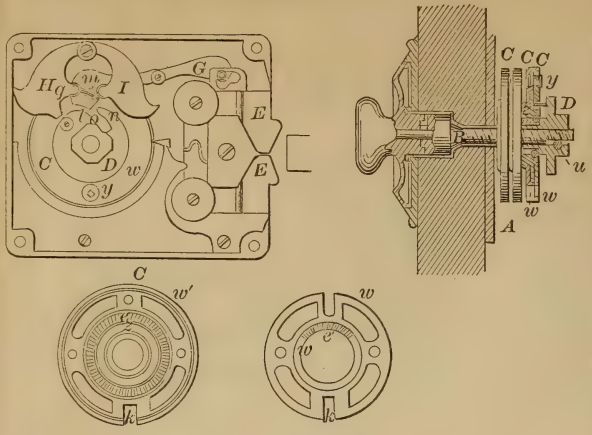
71372—C. T. Fitch—*Post Driver.*



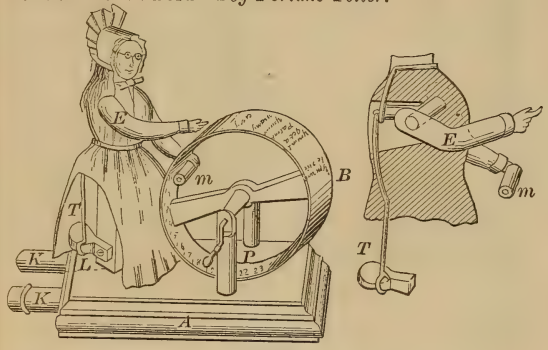
71370—E. S. Fisher—*Dividers.*



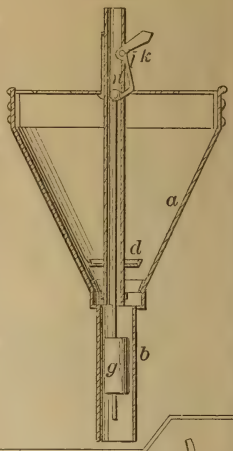
71373—C. Flesch—*Permutation Lock.*



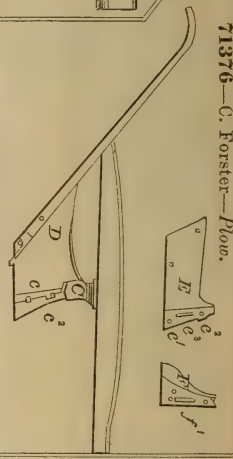
71374—C. T. Ford—*Toy Fortune Teller.*



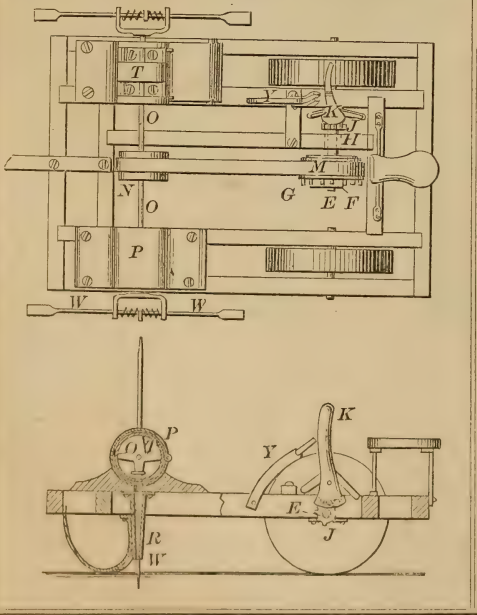
71378—J. Gondouin—*Funnel.*



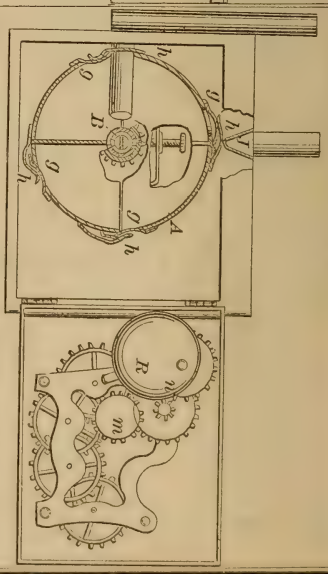
71376—C. Forster—*Plow.*



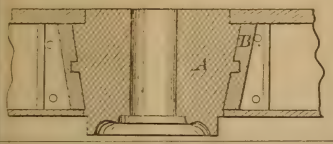
71379—Gordon & Christianson—*Corn Planter.*



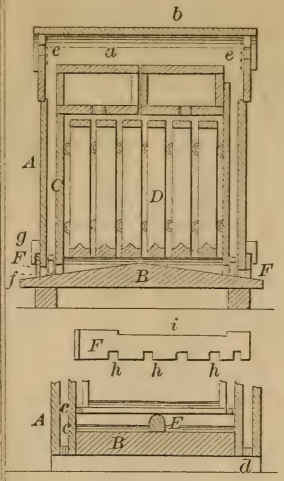
71375—D. Forrest—*Gas Meter.*



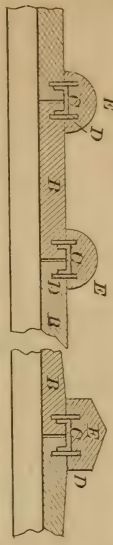
71380—H. Goss—*Cement Stove Pipe Thimble.*



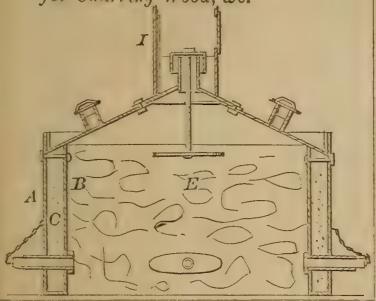
71381—A. Gray—*Beehive.*



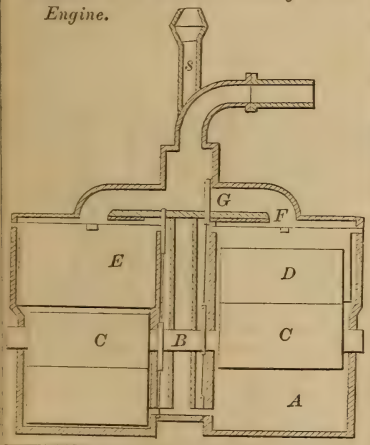
71386—R. P. Henry—*Roofing.*



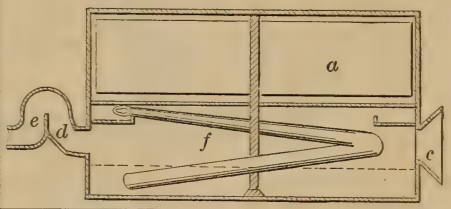
71383—Guignon & McDonald—*Kiln for Charring Wood, &c.*



71384—A. S. Harlan—*Rotary Steam Engine.*

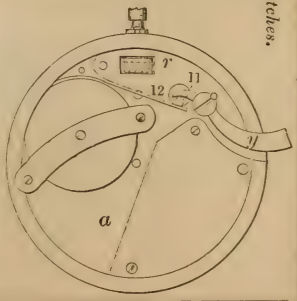


71385—C. H. Haskins—*Car Ventilator.*

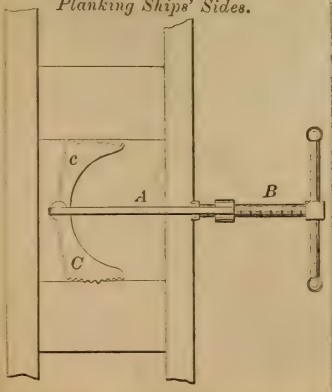


71382—R. B. Griffin, Jr.—*Button Fastener.*

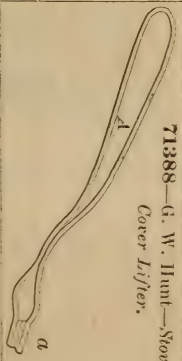
71389—C. E. Jacot—*Winding Watches.*



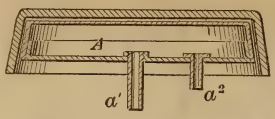
71387—J. J. Hill—*Clamp for Planking Ships' Sides.*



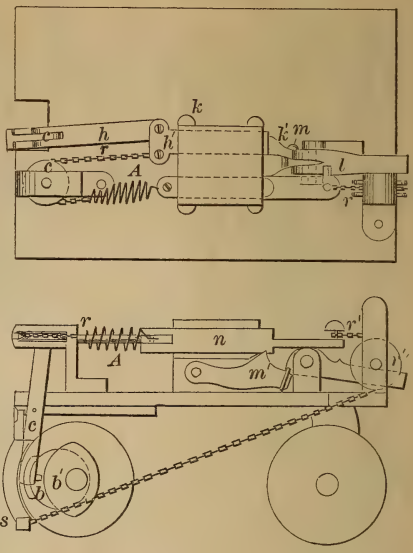
71388—G. W. Hunt—*Stove Cover Lifter.*



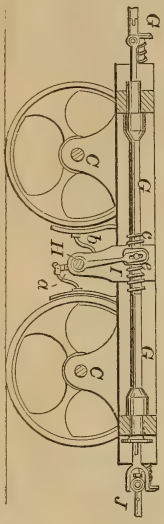
71390—A. & I. Jennings—*Manufacture of Paper Vessel.*



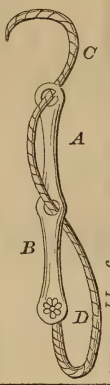
71391—T. A. Kelley—*Car Brake.*



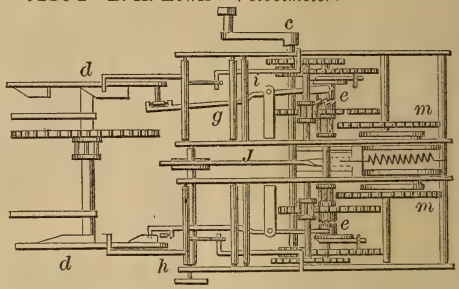
71392—Kitchen, Kitchen & Samuels—*Car Brake.*



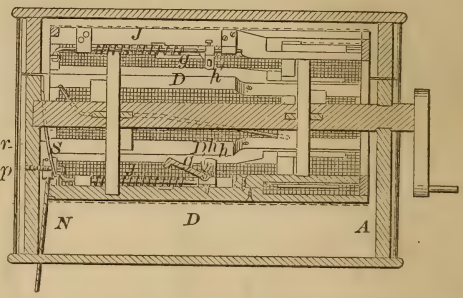
71393—W. H. Kuntz—*Hoisting Apparatus.*



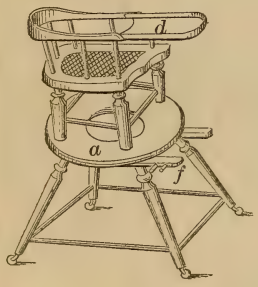
71394—E. A. Lewis—*Velocimeter.*



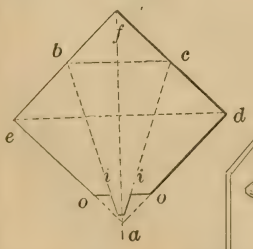
71395—S. Lewis—*Flour Bolt.*



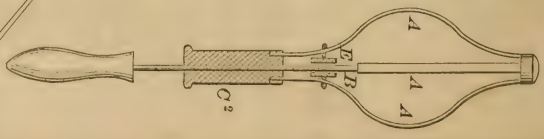
71397—Loring & Averell—*Nursery Chair.*



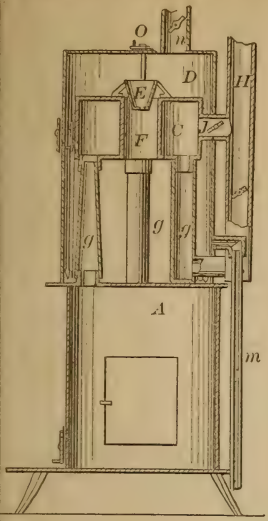
71398—D. & C. F. Manuel—*Paper Bag*



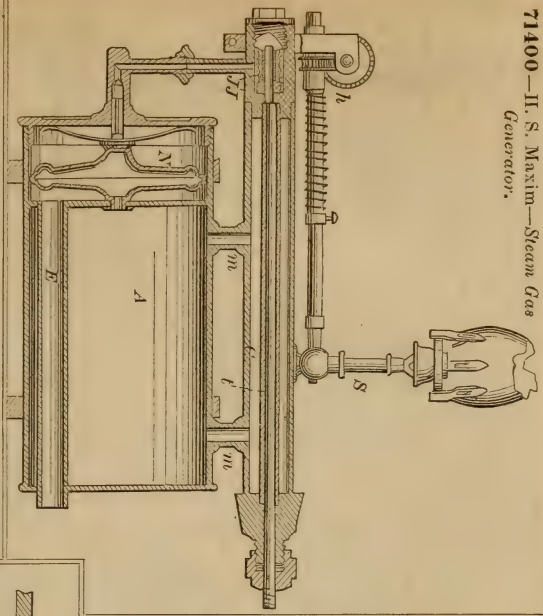
71396—J. H. Lightner—*Lamp Chimney Cleaner.*



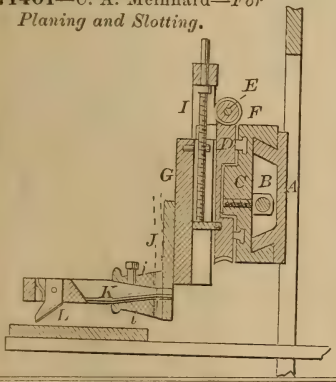
71399—J. A. Marvin—*Heater.*



71400—H. S. Maxim—*Steam Gas Generator.*

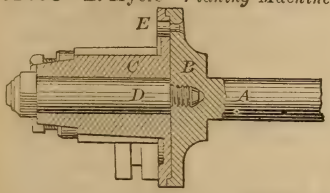


71401—C. A. Meinhard—*For Planing and Slotting.*

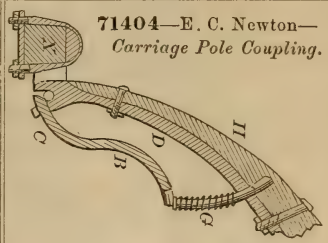


71402—Miller & Pernot—*Buoy Extractor.*

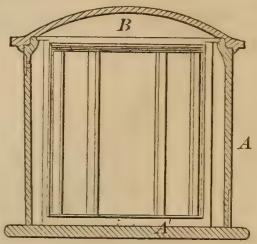
71403—E. Myers—*Planing Machine.*



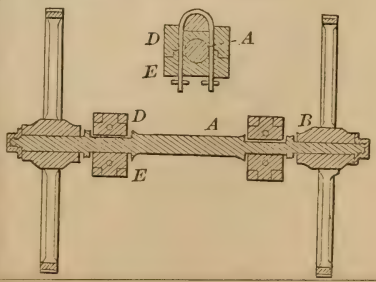
71404—E. C. Newton—*Carriage Pole Coupling.*



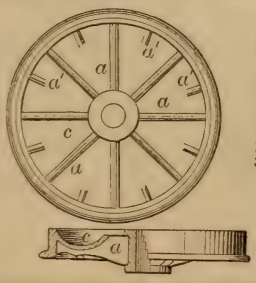
71405—L. M. Olden—*Beehive.*



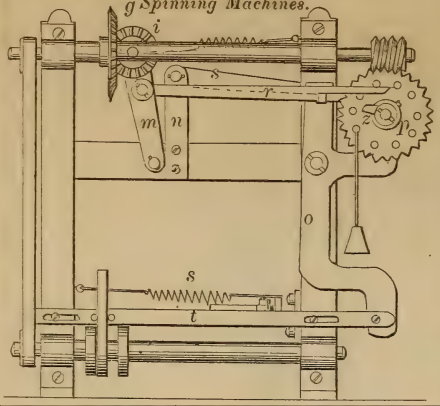
71406—H. Parker—*Wagon.*



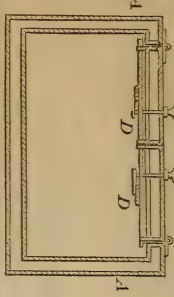
71408—G. Peacock—*Cast Iron Car Wheel.*



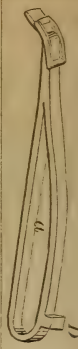
71409—F. R. Pearson—*Jack Centre for g Spinning Machines.*



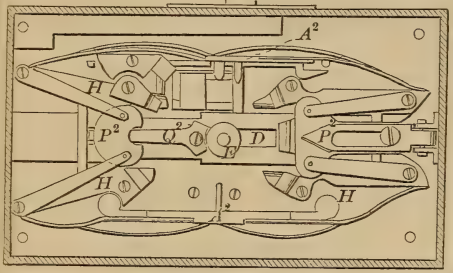
71410—J. R. Pierson—*Safe Door Bolt.*



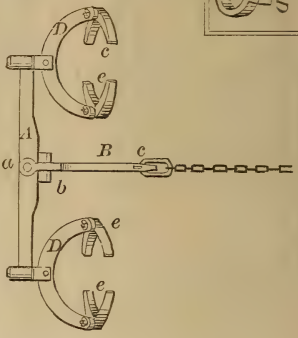
71412—J. G. Pugsley—*Elastic Rein Pull.*



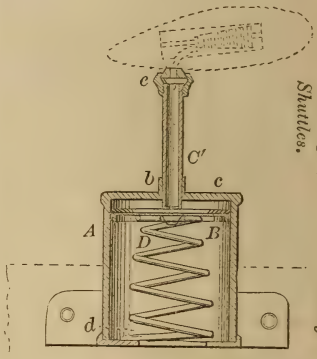
71411—Porter & Hallett—*Door Lock.*



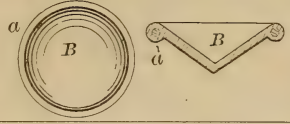
71415—E. Sanford—*Draught Attachment for Horses.*



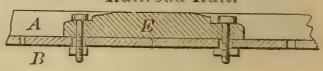
71413—L. Ripley—*For Threading Shuttles.*



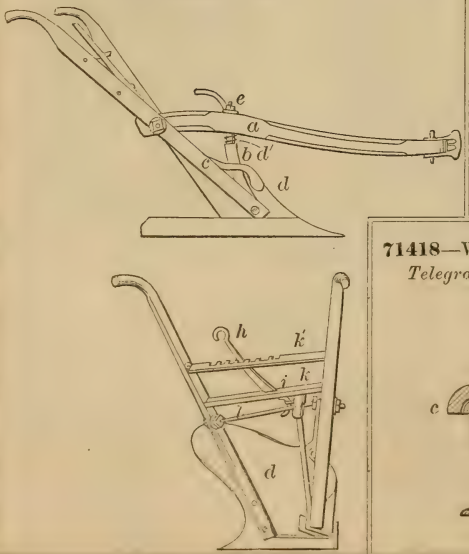
71414—A. C. Rohleder—*Uterine Supporter.*



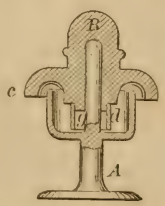
71417—Sheffield & Whitcomb—*Railroad Rail.*



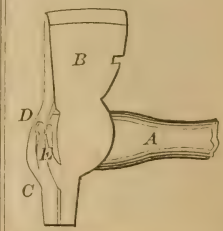
71419—S. S. Starnes—*Plow.*



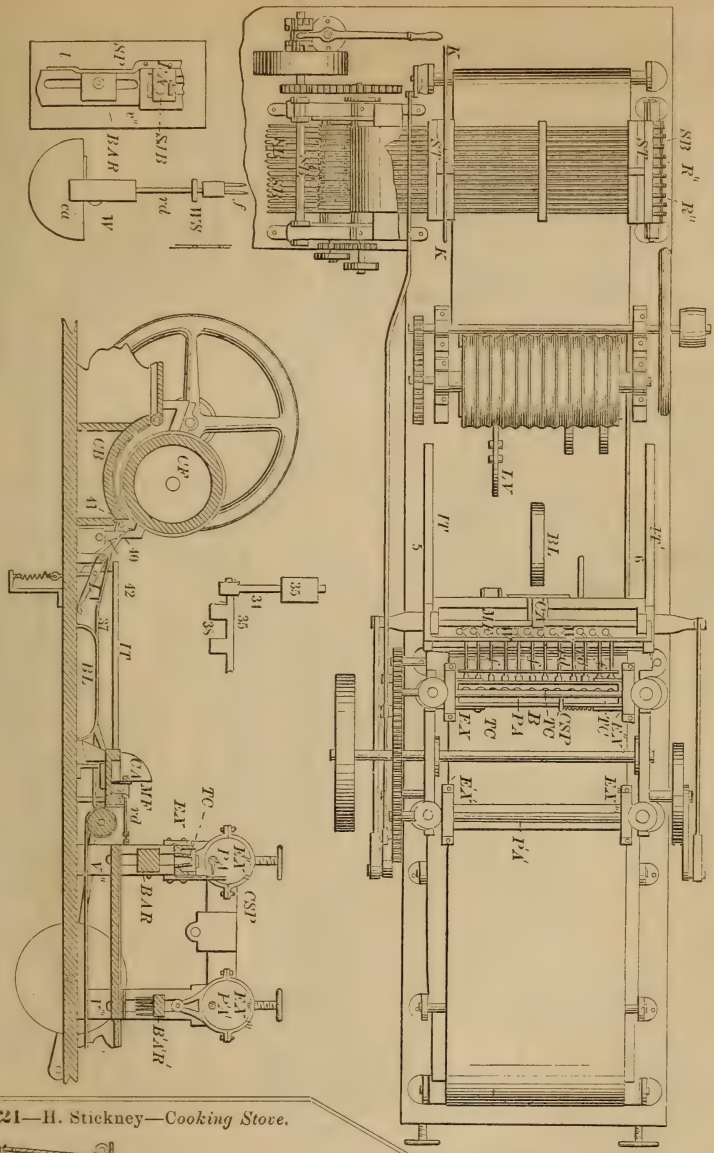
71418—W. E. Simonds—*Telegraph Insulator.*



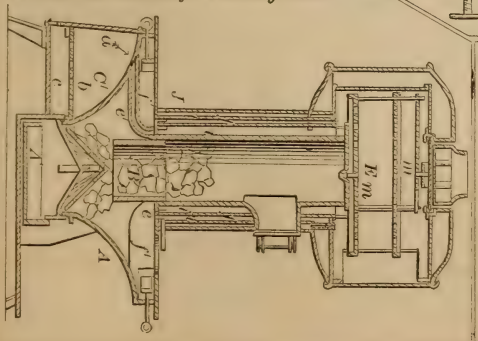
71416—J. T. Shank—*Hatchet.*



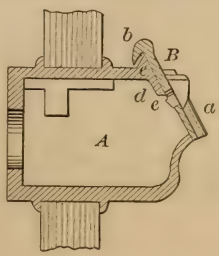
71420—D. Steward—*Cracker Machine*



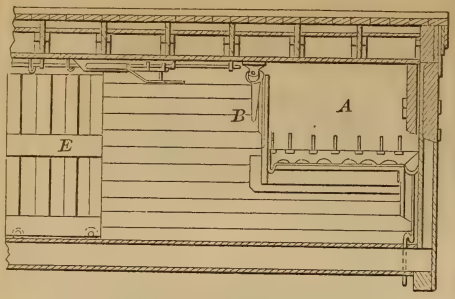
71421—H. Stickney—*Cooking Stove.*

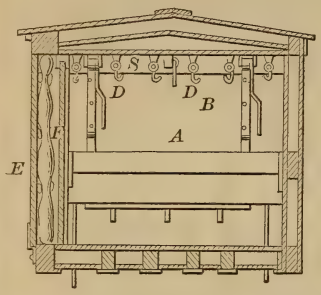


71422—W. Stone—*Car Axle Box.*

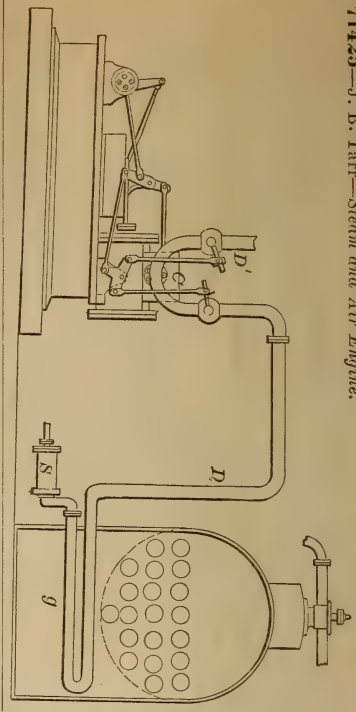


71423—J. B. Sutherland—*Refrigerator Car.*

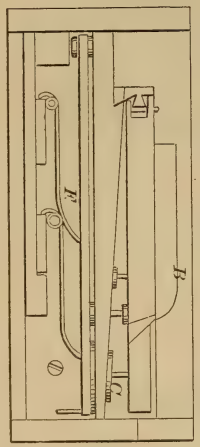




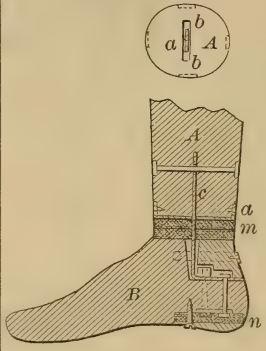
71425—J. B. Tarr—*Steam and Air Engine.*



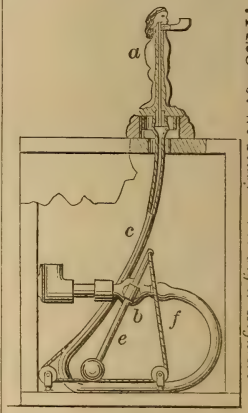
71427—E. Toujice—*Key Board Attachment.*



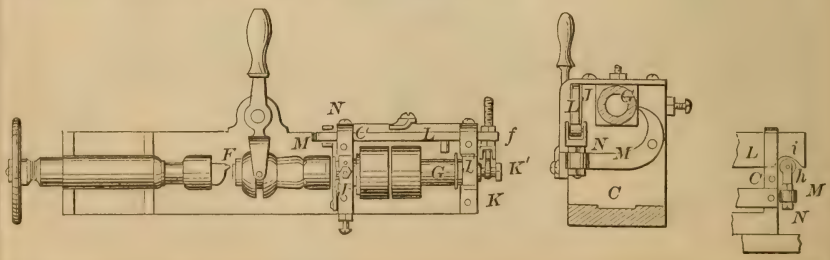
71424—C. Swett—*Artificial Leg.*



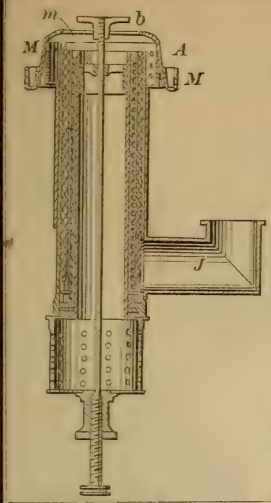
71428—J. W. Tracy—*Gas Cigar Lighter.*



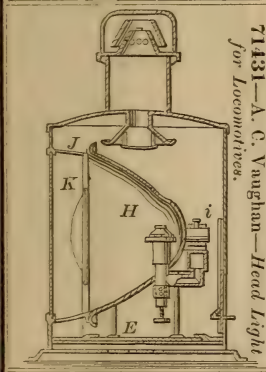
71429—Tunnicliff & Cahill—*For Ornamenting Buttons.*



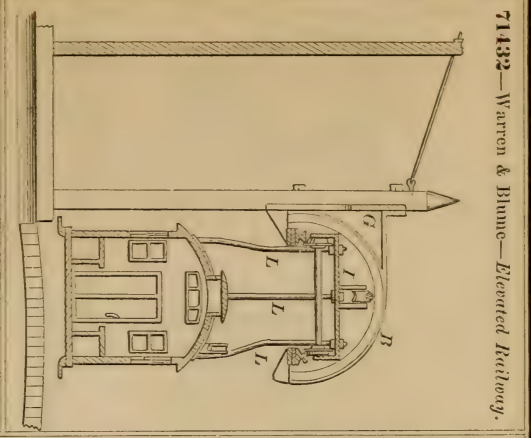
71430—A. C. Vaughan—*Burner for Locomotive Head Lights.*



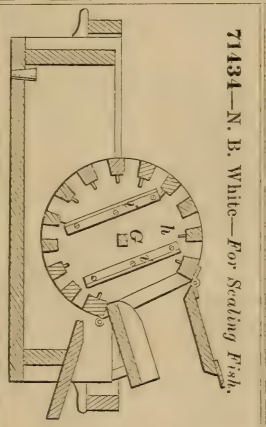
71431—A. C. Vaughan—*Head Light for Locomotives.*



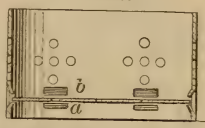
71432—Warren & Blume—*Elevated Railway.*



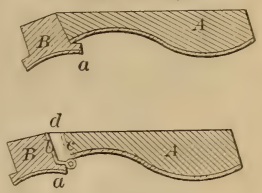
71434—N. B. White—*For Scaling Fish.*



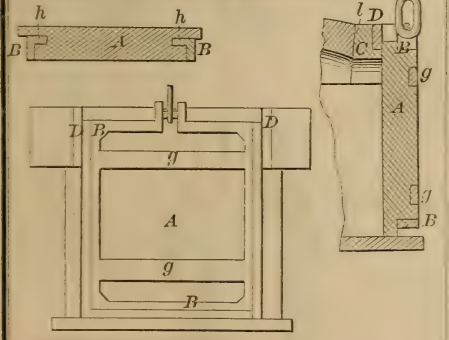
71435—H. B. Willcox—*Fruit Box.*



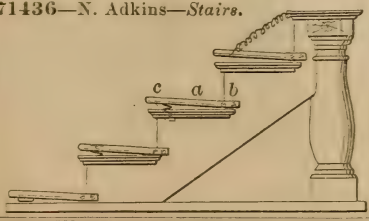
71438—A. Allen—*Hinging Clock Fronts.*



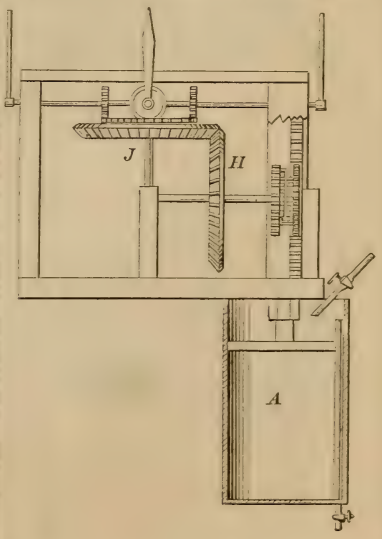
71433—J. Watson—*Furnace Door.*



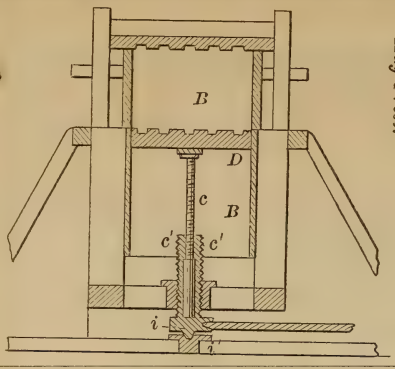
71436—N. Adkins—*Stairs.*



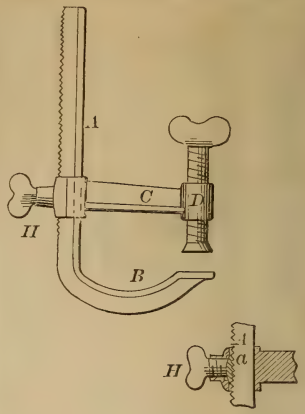
71437—O. Abbruzzo—*Hydraulic Clock.*



71439—B. B. Alfred—*Cotton and Hay Presses.*

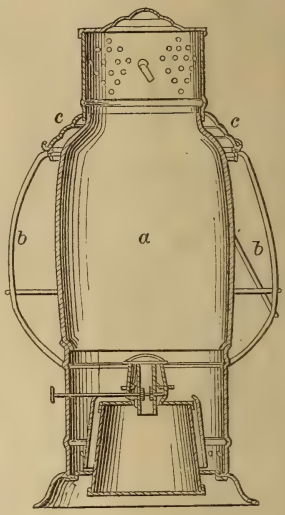


71440—H. D. Barnes—*Floor Clamp.*

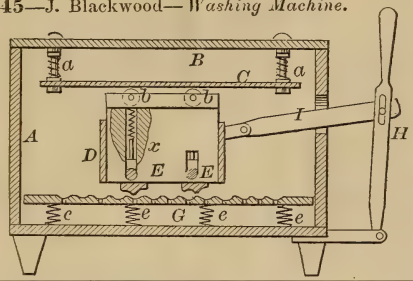


71442—A. B. Bean—*Knife Sharpener.*

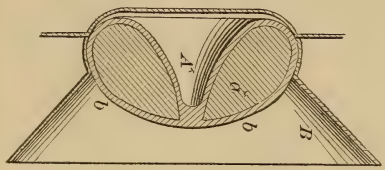
71444—L. F. Betts—*Lantern.*



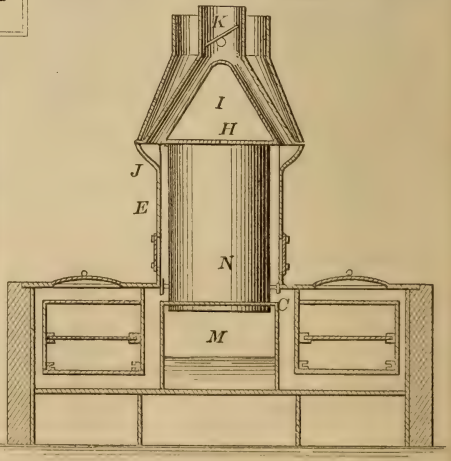
71445—J. Blackwood—*Washing Machine.*



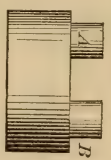
71441—E. Barrett—*Lens for Lanterns.*



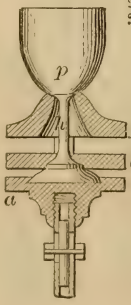
71446—N. A. Boynton—*Range and Heater.*



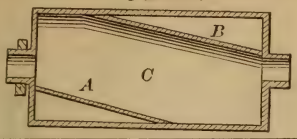
71443—E. O. Bennett—*Inkstand.*



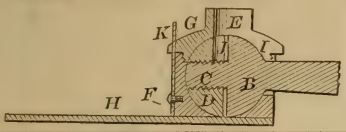
71447—O. B. Brigham—*Soap for Glassware Makers.*



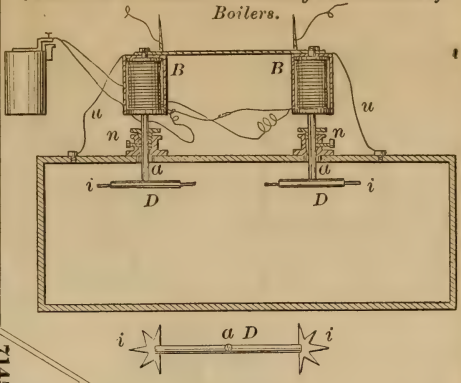
71448—W. Bruckner—*Ore Roasting Furnace.*



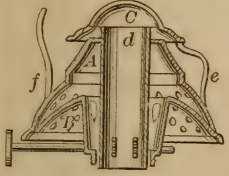
71450—J. Butter—*Pitman.*



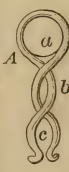
71451—S. G. Cabell—*Preventing Incrustation of Boilers.*



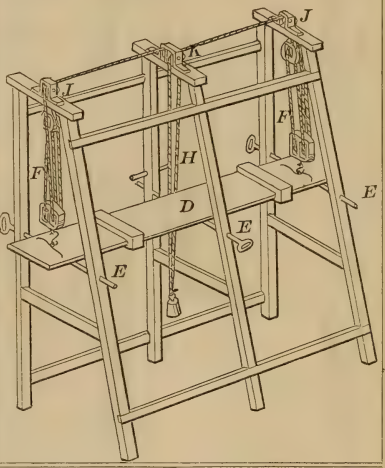
71449—H. E Burton—*Lamp.*



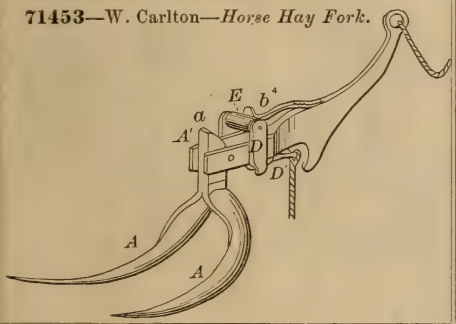
71457—N. B. Cooper—*Clothes Pin.*



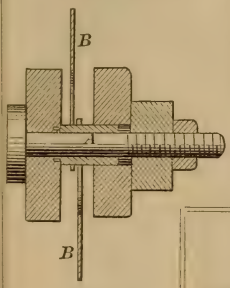
71454—P. Cavalier—*Adjustable Scaffold.*



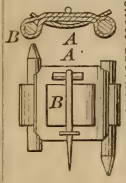
71453—W. Carlton—*Horse Hay Fork.*



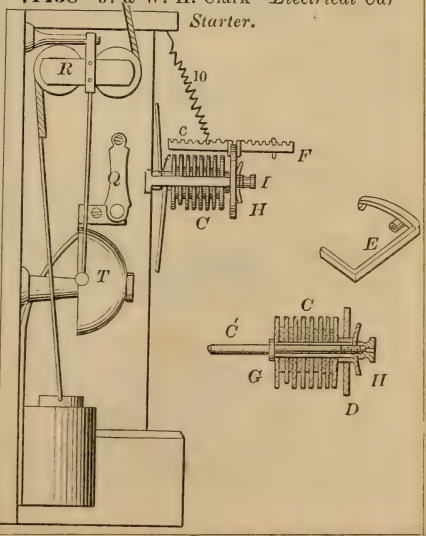
71455—W. H. Christie—*Planing Machine.*



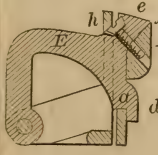
71456—N. B. Cooper—*Pencil Holder.*

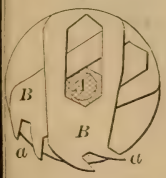


71458—J. & W. H. Clark—*Electrical Car Starter.*

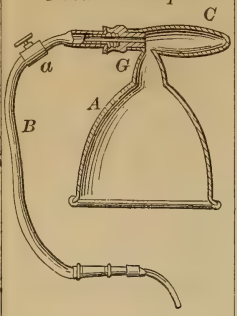


71452—Cady & Cooper—*Concealed Hinge.*

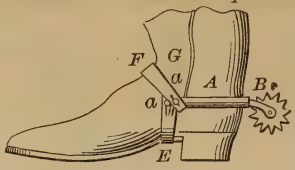




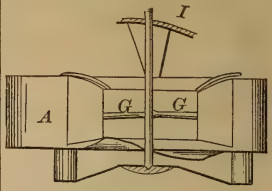
71459—J. M. Clark—*Breast Developer.*



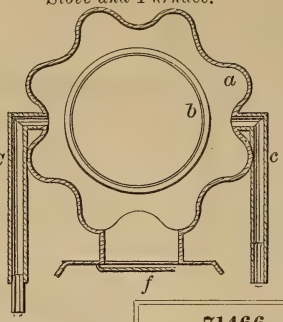
71462—B. A. Davis—*Spur*

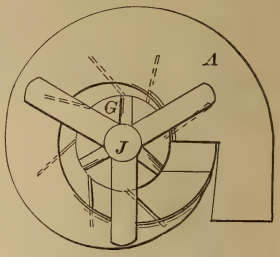


71461—A. H. Crozier—*Water Wheel.*

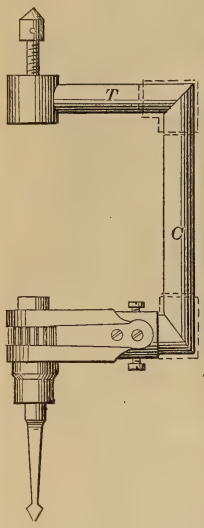


71465—J. B. Driscole—*Stove and Furnace.*

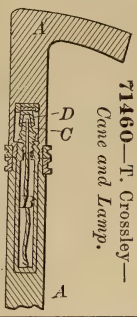




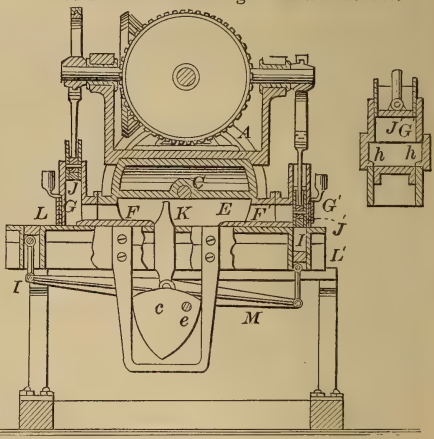
71463—Davies & Taunton—*For Drilling Metals.*



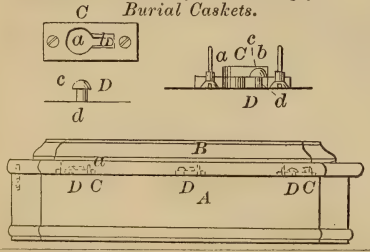
71460—T. Grossley—*Cone and Lamp.*



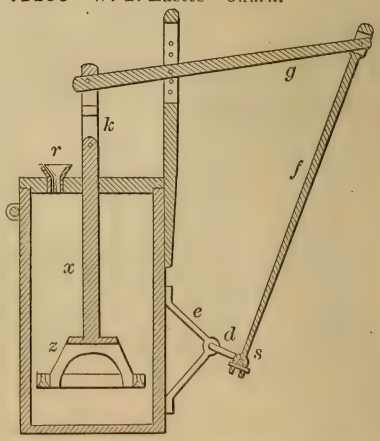
71466—H. Dueberg—*Brick Machine.*



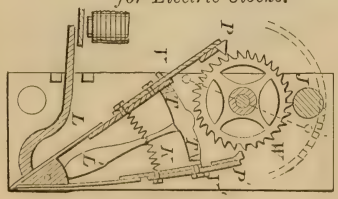
71468—E. S. Earley—*Fastening for Burial Caskets.*



71469—W. T. Eastes—*Churn.*



71470—Edmands & Hamblet—*Escapement for Electric Clocks.*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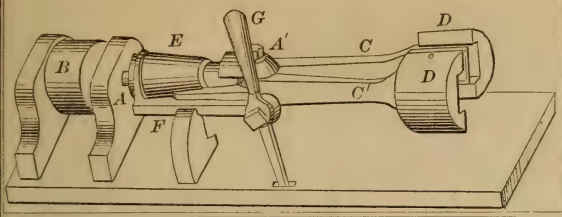
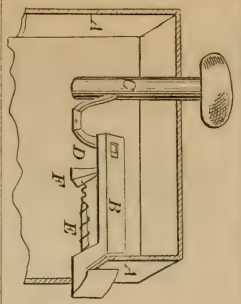
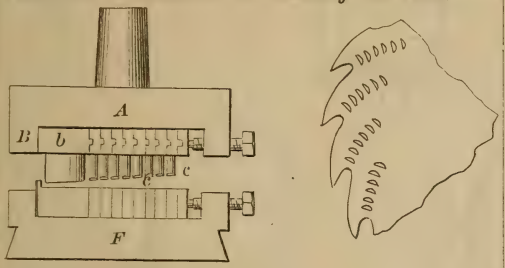
71471—L. Egleston—*For Polishing Tubes.*



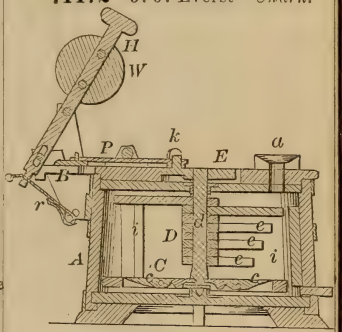
71474—J. B. Evans—*Door Latch.*



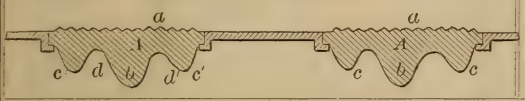
71473—J. E. Emerson—*For Punching Saw Teeth.*



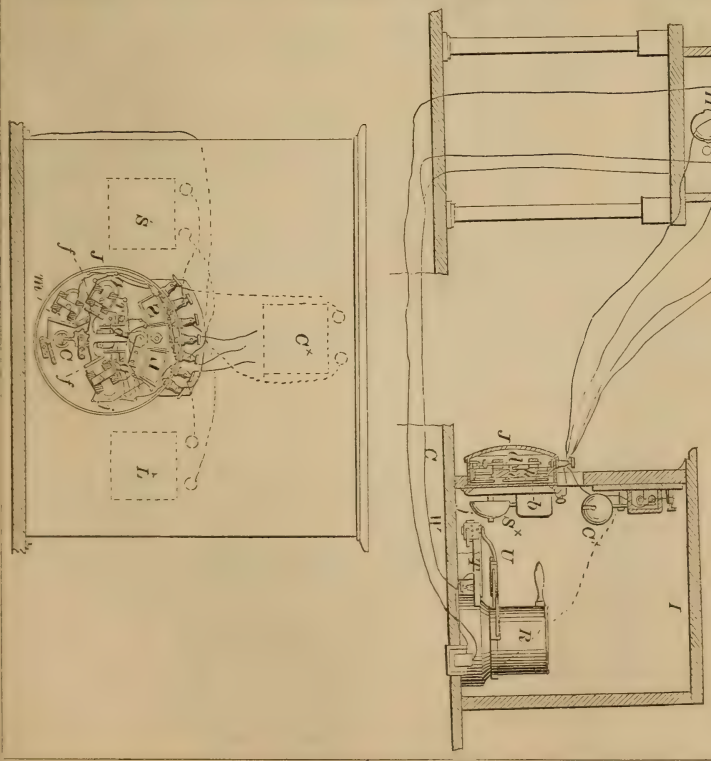
71472—J. J. Everst—*Churn.*



71475—F. Fitzgerald—*Vault Light.*

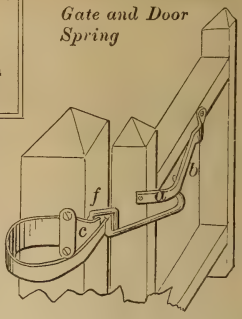


71476—A. Foucault—*Marine Telegraph.*

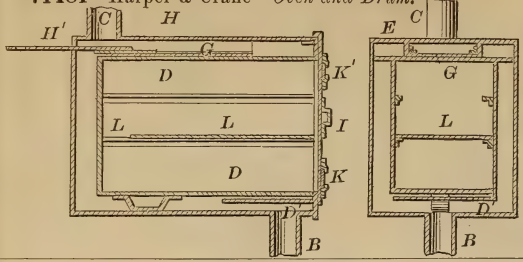


71477—F. C. Fuller—*Lubricating Roller in Spinning Machines.*

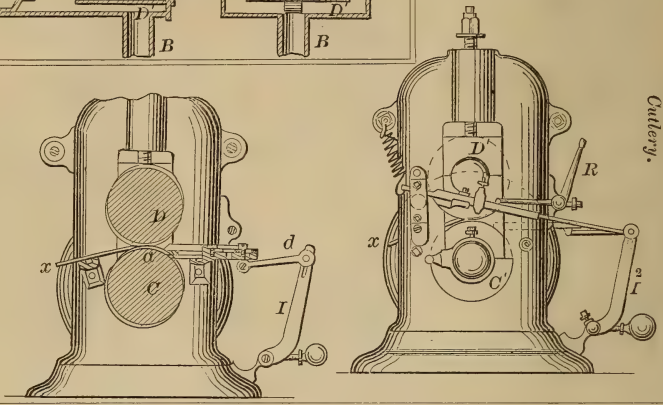
71478—J. C. Gould—*Gate and Door Spring*



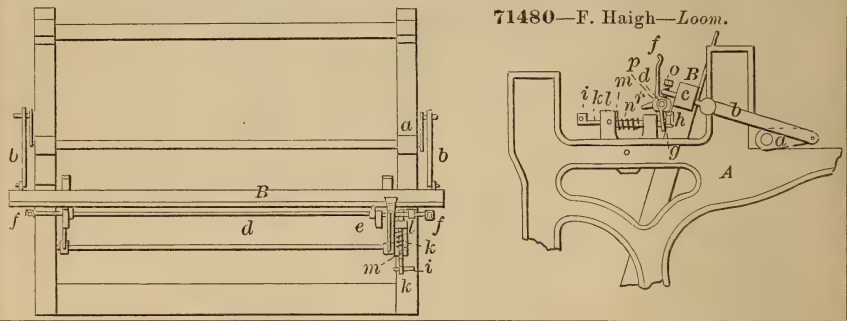
71481—Harper & Crane—*Oven and Drum.*



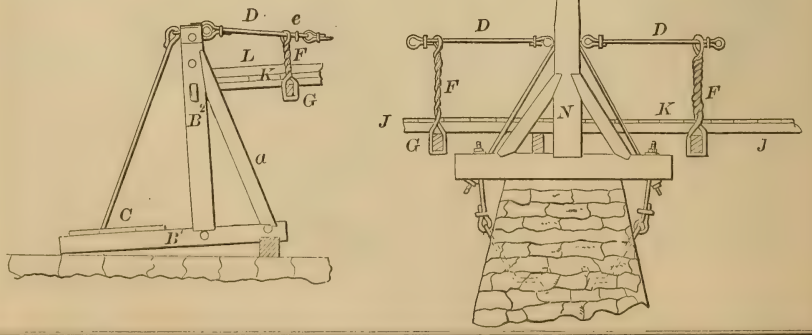
71482—H. B. Harvey—*Forging Cutlery.*



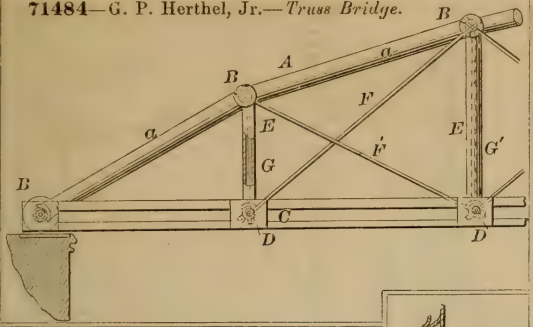
71480—F. Haigh—*Loom.*



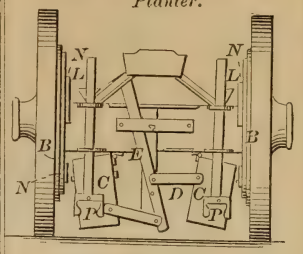
71483—P. Hendricks—*Bridge.*



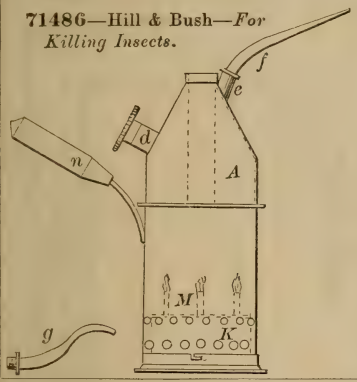
71484—G. P. Herthel, Jr.—*Truss Bridge.*



71488—S. C Hunter—*Seed Planter.*

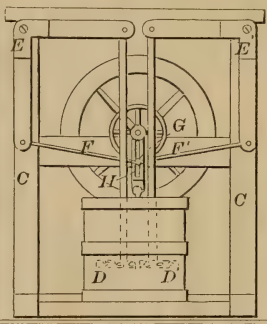


71486—Hill & Bush—*For Killing Insects.*

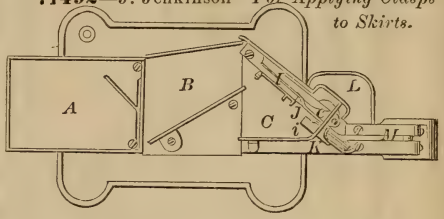


71487—F. Hull—*Hoop Skirt.*

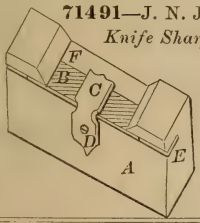
71486—P. Hutchinson—*Churn.*



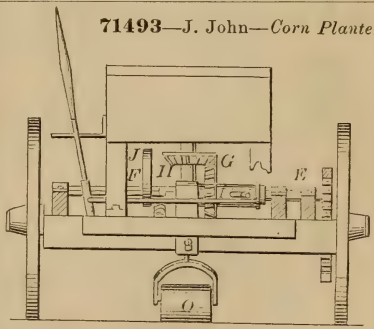
71492—J. Jenkinson—*For Applying Clasps to Skirts.*



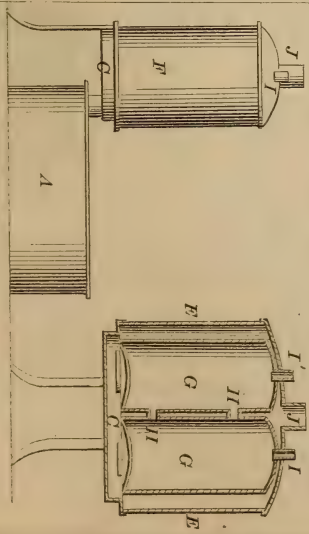
71491—J. N. Jacobs—*Knife Sharpener.*

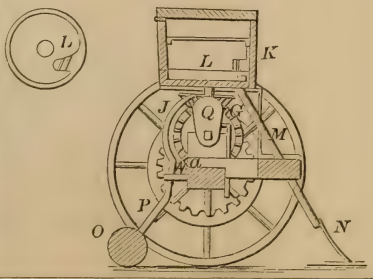


71493—J. John—*Corn Planter.*

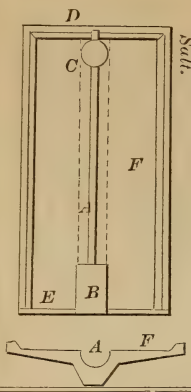


71490—G. L. Ingersoll—*Water Heater for Stoves.*

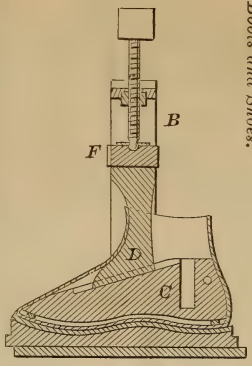




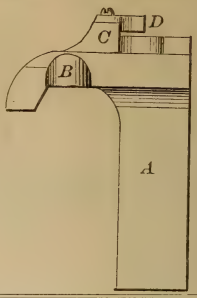
71494—C. F. Johnson—*Manufacture Salt.*



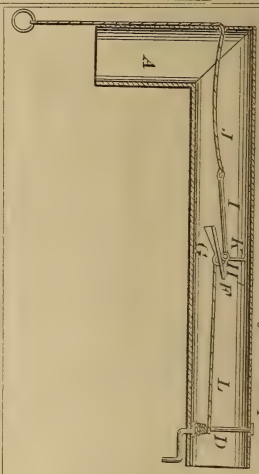
71495—J. B. Johnson—*Shaping Soles of Boots and Shoes.*



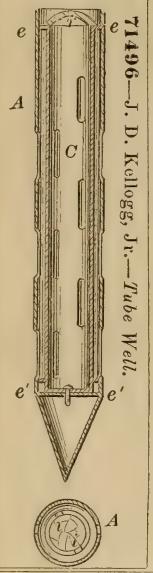
71498—C. L. Kingsley—*Vise.*



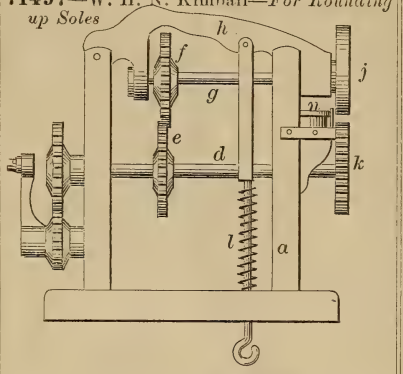
71500—W. J. Mace—*For Cleaning Stove Pipes.*



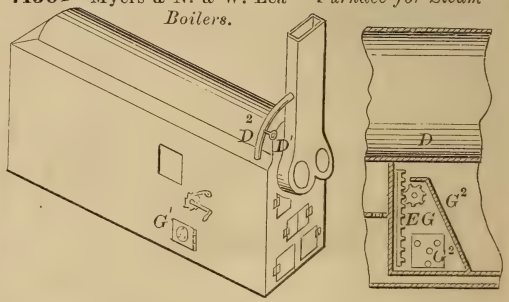
71496—J. D. Kellogg, Jr.—*Tube Well.*



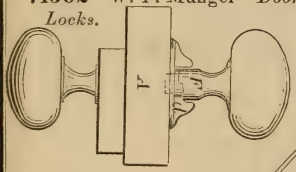
71497—W. H. N. Kimball—*For Rounding up Soles*



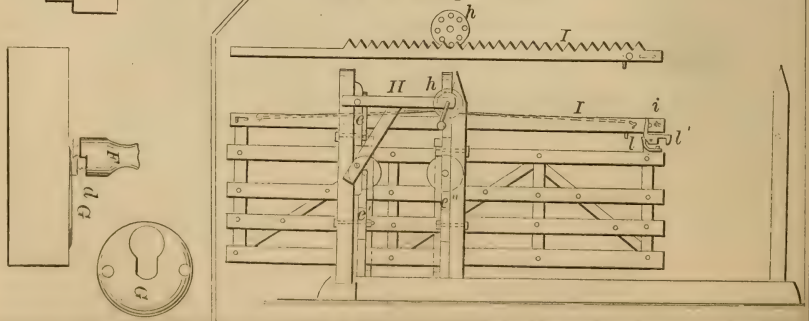
71501—Myers & N. & W. Lea —*Furnace for Steam Boilers.*



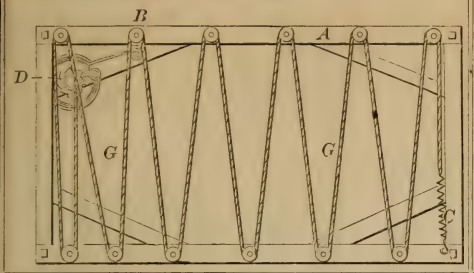
71502—W. P. Munger—*Door Locks.*



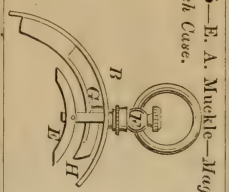
71503—T. Munger—*Gate.*



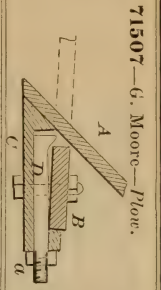
71504—L. Mudge—*Bed Bottom.*



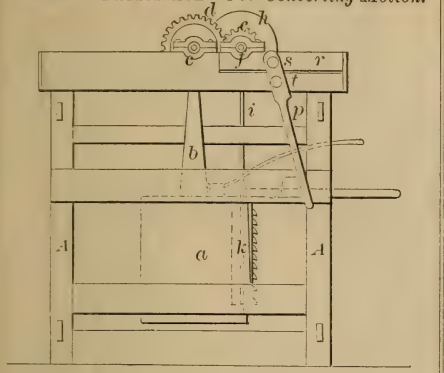
71505—E. A. Muckle—*Magic Watch Case.*



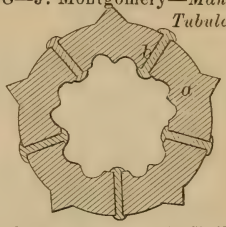
71507—G. Moore—*Plow.*



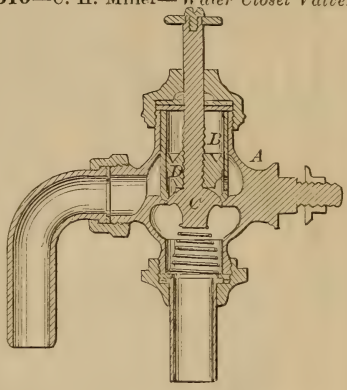
71506—D. Morrison—*For Converting Motion.*



71508—J. Montgomery—*Manufacturing Tubular Bodies.*

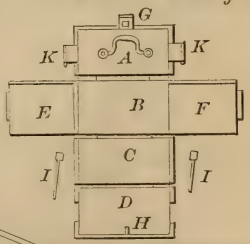


71510—C. H. Miller—*Water Closet Valve.*

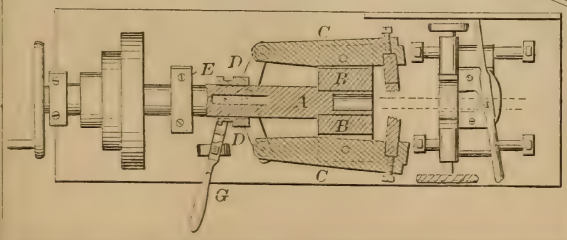


71509—Miller & McClellan—*Awning*

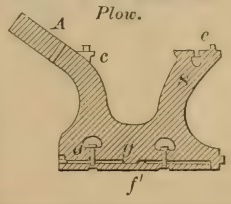
71511—G. B. Mershon—*Folding Box.*



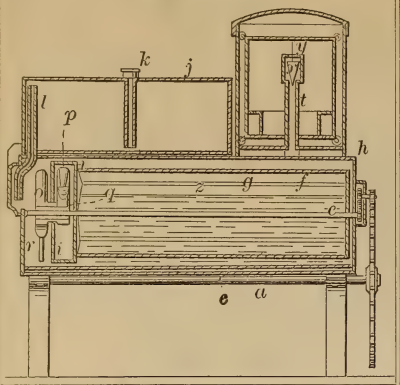
71512—E. M. Mayo—*For Tapping Bolts.*



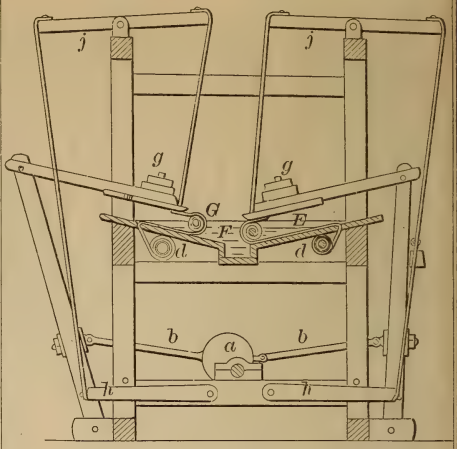
71513—E. G. Matthews—*Plow.*



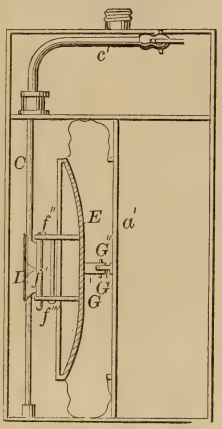
71514—J. Mac Dougall—*Gas Apparatus and Carburettor.*

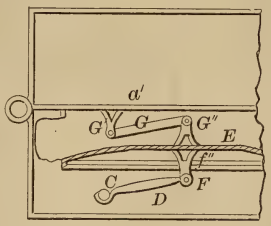


71516—Lodge & Platner—*Felting Machine.*

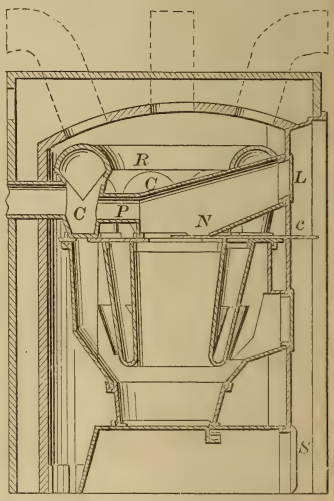


71518—C. C. Llovd—*Dry Gas Meter.*

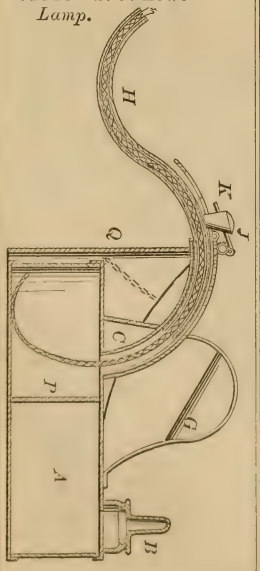




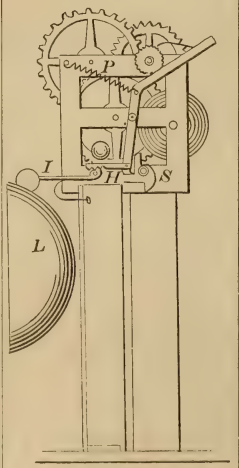
71517—R. Z. Liddle—*Hot Air Furnace.*

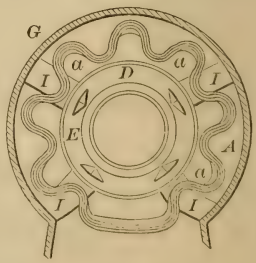


71515—S. J. Lowe—*Lamp.*

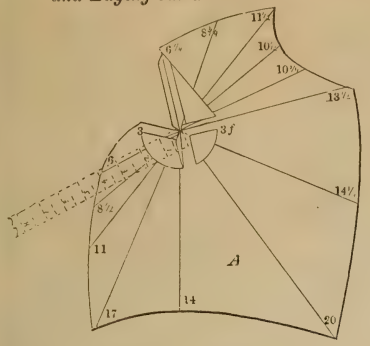


71519—W. Lindon—*Clock.*

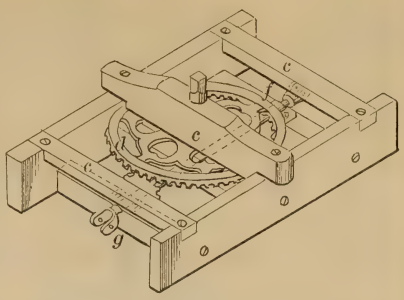




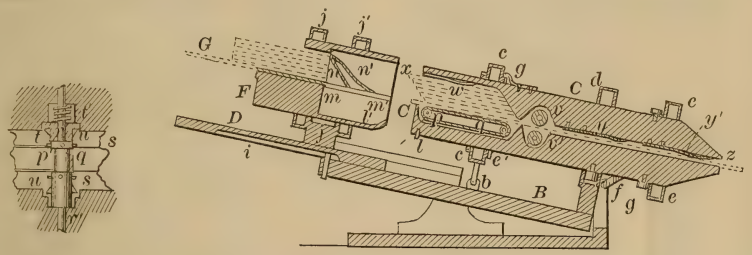
71520—J. Lemley, Jr.—*For Measuring and Laying out Garments.*



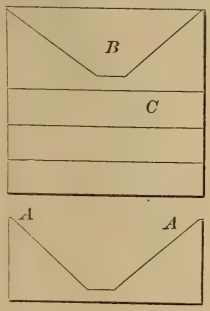
71522—J. A. Leibey—*Horse Power.*



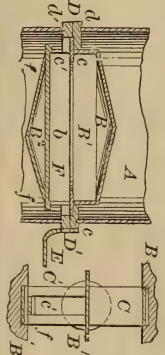
71521—E. B. Lake—*Nail Plate Feeder.*



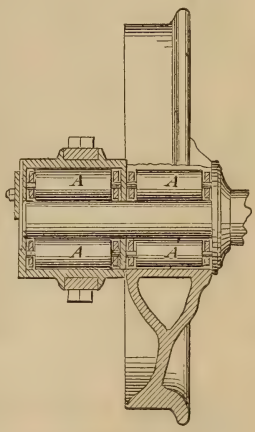
71523—W. Leighton—*Fagot for Railroad Rails.*



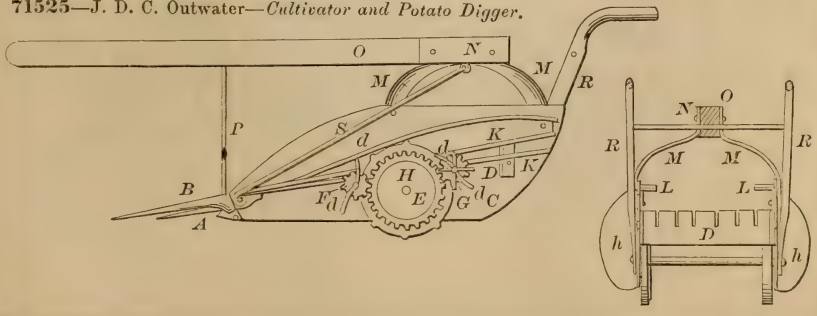
71524—H. Ogborn—*Stove Pipe Damper.*



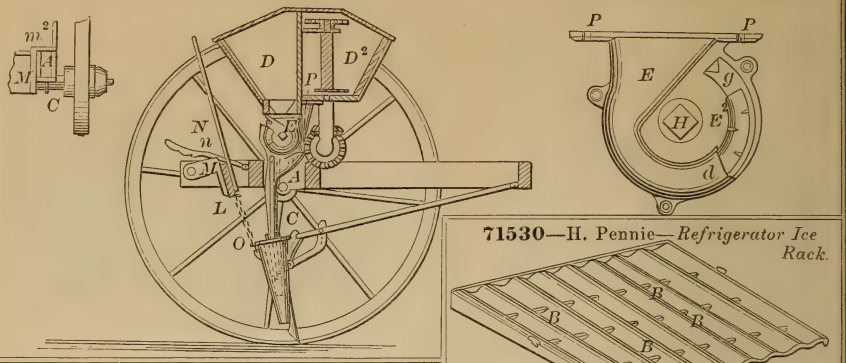
71527—C. H. Parshall—*Anti-Friction Journal for Car Wheels.*



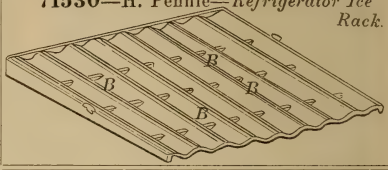
71525—J. D. C. Outwater—*Cultivator and Potato Digger.*



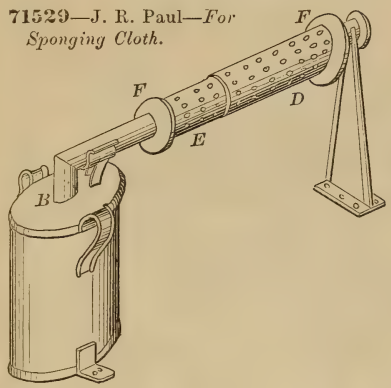
71528—Patric & Bickford—*Grain Drill*

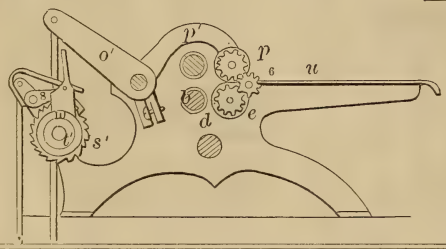


71530—H. Pennie—*Refrigerator Ice Rack.*

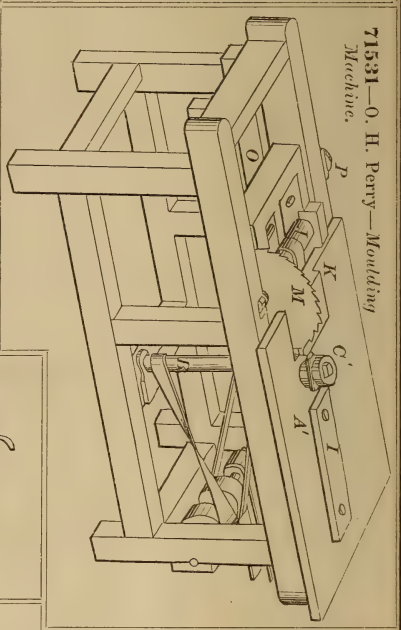


71529—J. R. Paul—*For Sponging Cloth.*

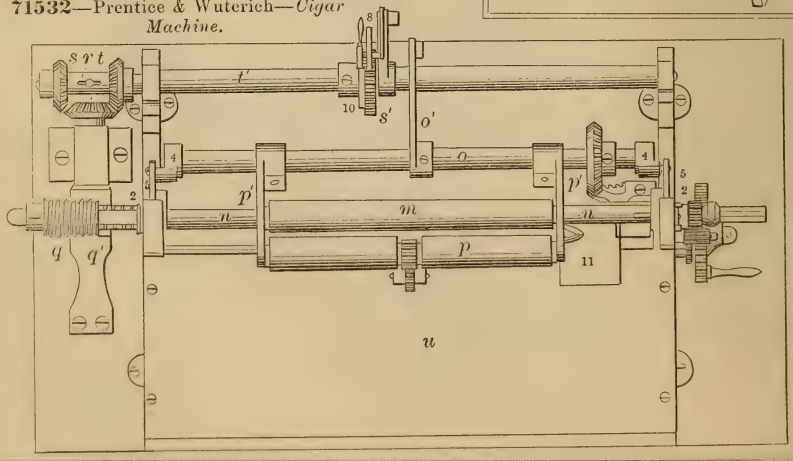




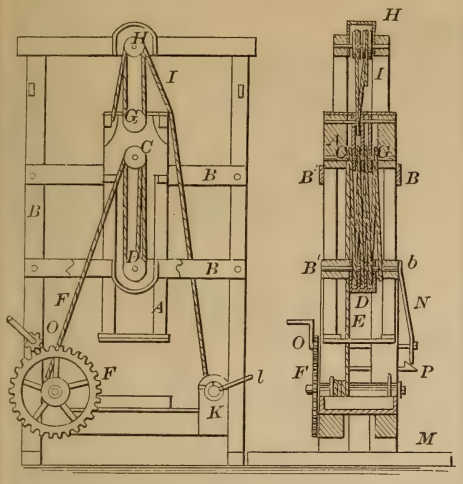
71531—O. H. Perry—*Moulding Machine.*



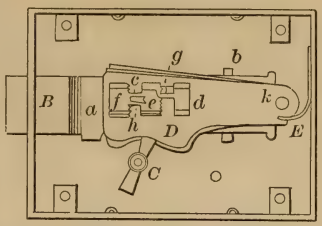
71532—Prentice & Wuterich—*Cigar Machine.*



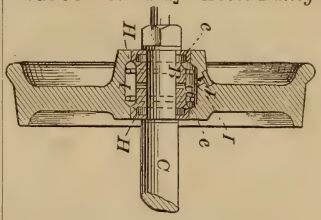
71533—E. Primm—*Cider Press.*



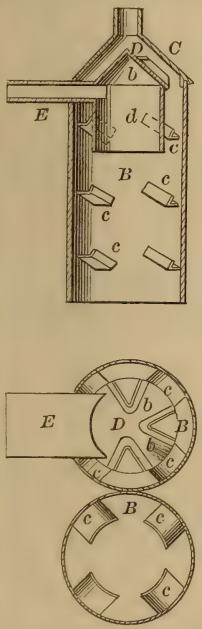
71534—R. Schade—*Door Lock.*



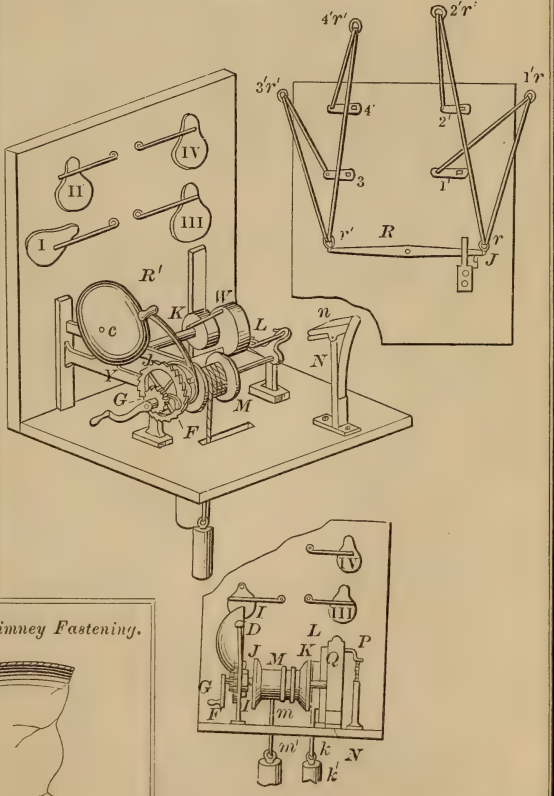
71535—C. Purdy—*Loose Pulley Box.*



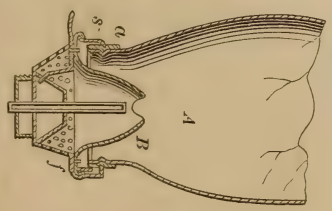
71536—T. H. Quick—*Purifying Bone Black.*



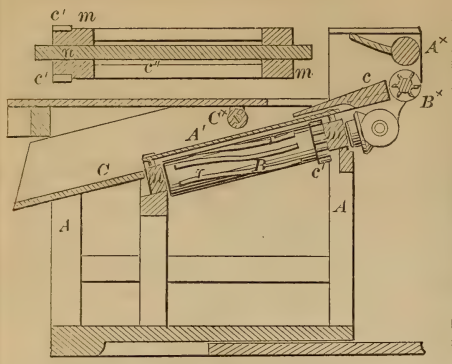
71537—T. Royer—*Burglar Alarm.*



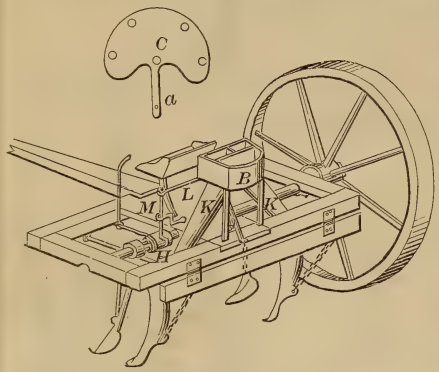
71538—E. Russell—*Lamp Chimney Fastening.*



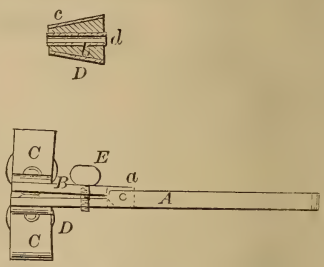
71539—J. Russell—*Husking Machine.*



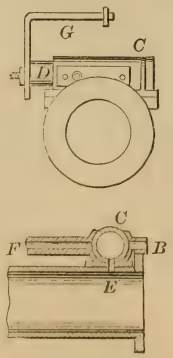
71540—Rutt & Baer—*Corn and Seed Planter.*



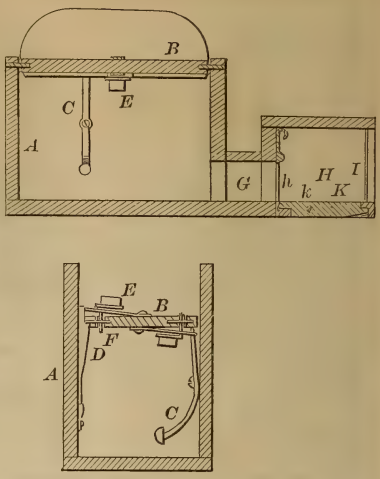
71541—E. F. Shaw—*Temple for Looms.*



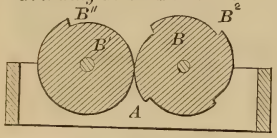
71542—J Shoemaker—*Steam Engine Valve.*



71543—T. Sillman—*Animal Trap.*

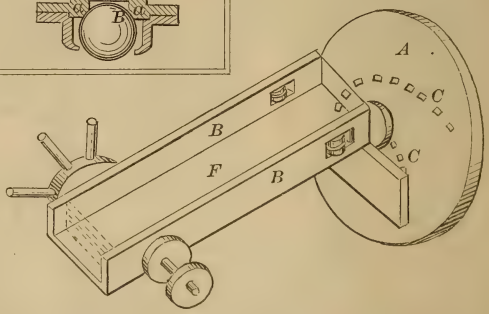


71544—A. Smith—*For Grinding Animal Matter.*

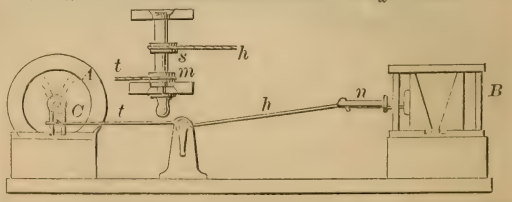


71546—T. S. Smith—*Ball Caster.*

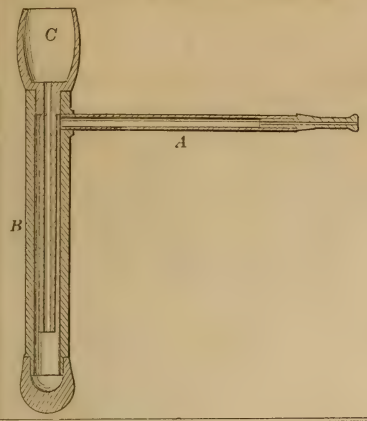
71545—A. Smith—*For Reducing Cracklings.*



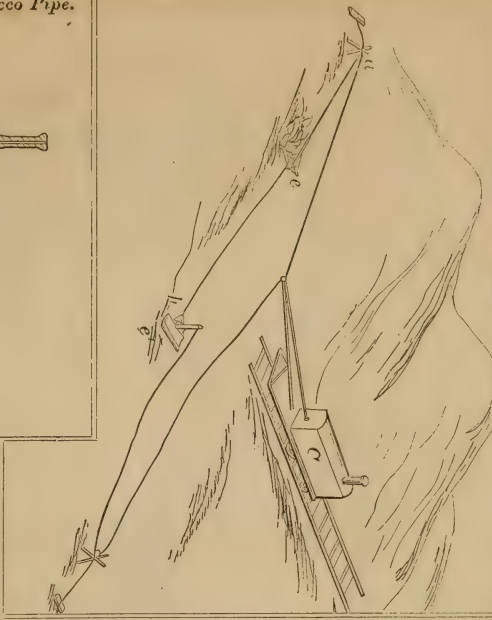
71547—W. M. Stevenson—*Steam Cut-off Valve.*

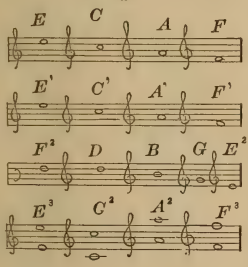


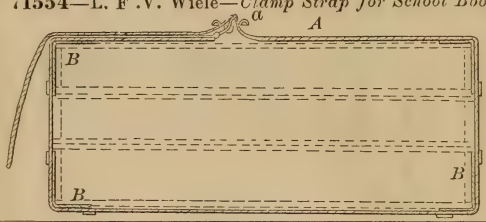
71548—J. B. Stockton—*Tobacco Pipe.*



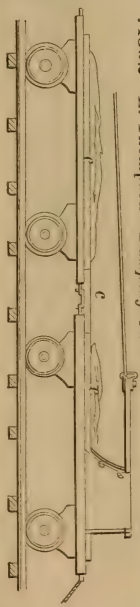
71553—E. Thompson—*For Constructing Railroads.*



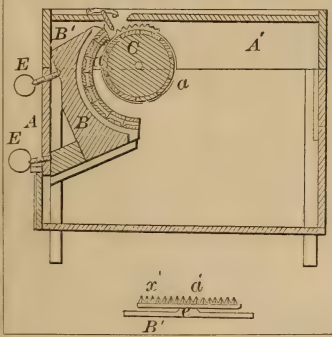
71550—V. C. Taylor—*Music Staff.*

71554—L. F .V. Wiele—*Clamp Strap for School Books.*



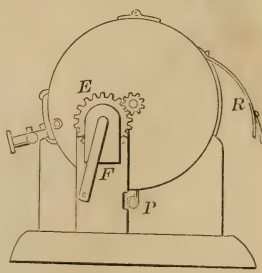
71552—E. Thompson—*Dumping Car.*

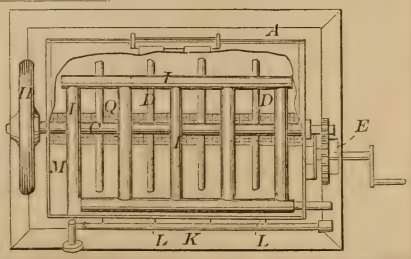


71551—S. Terry—*Corn Sheller.*

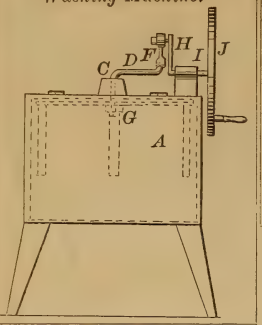


71555—U. B. Waddle—*Feather Renovator.*

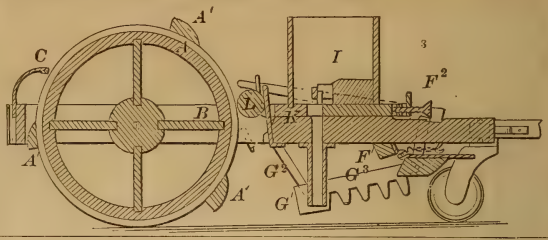




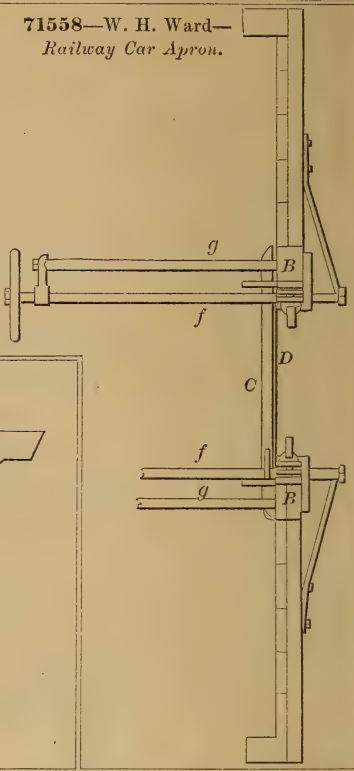
71556—M. P. Walton—*Washing Machine.*



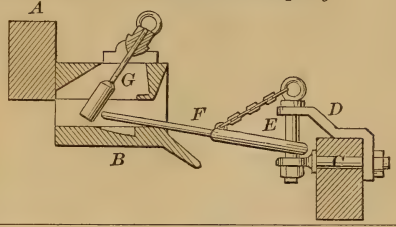
71557—S. B. Ward—*Seeding Machine.*



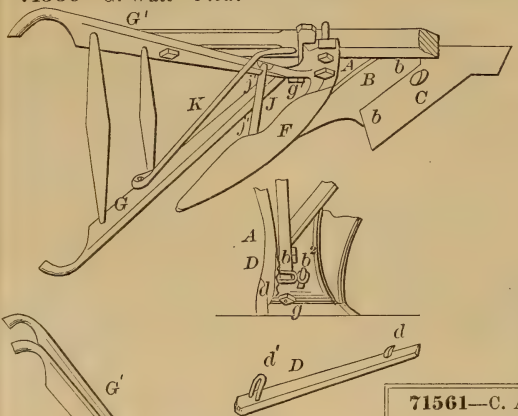
71558—W. H. Ward—*Railway Car Apron.*

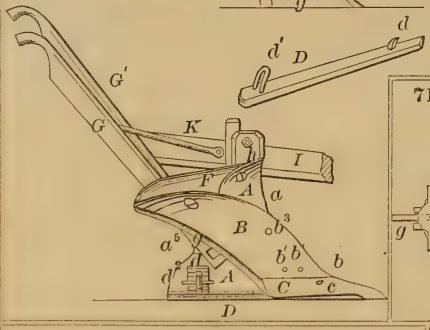


71559—W. Y. Warner—*Car Coupling.*

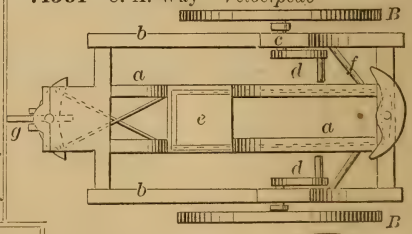


71560—G. Watt—*Plow.*

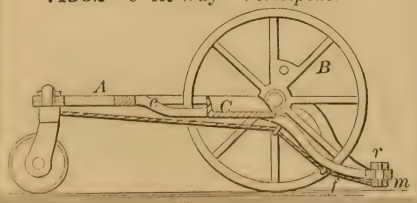


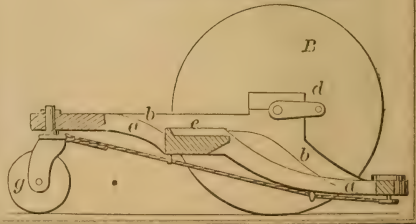


71561—C. A. Way—*Velocipede*

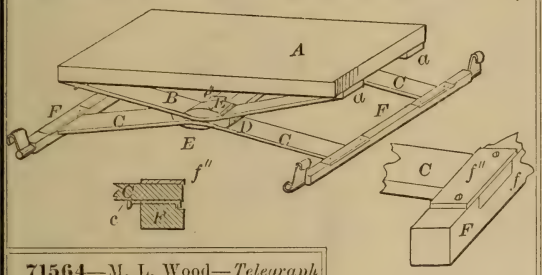


71562—C A. Way—*Velocipede.*

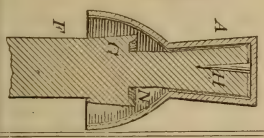




71563—J. Werntz—*Spring Seat for Carriages.*

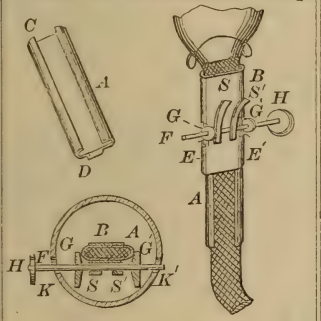


71564—M. L. Wood—*Telegraph Insulator.*

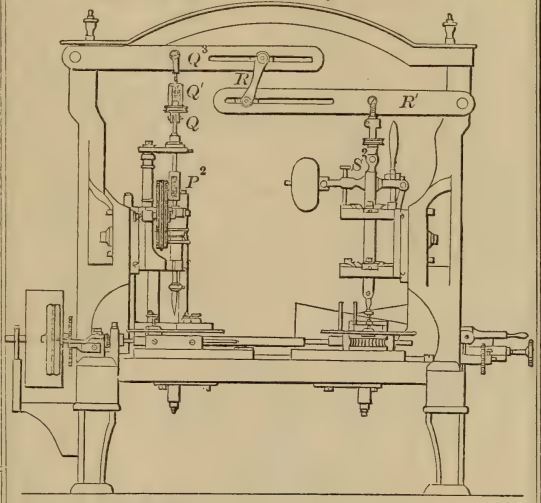


71565—D. B. Woodworth—*Teapot.*

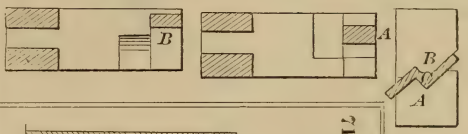
71566—J. B. Alexander—*Lamp.*



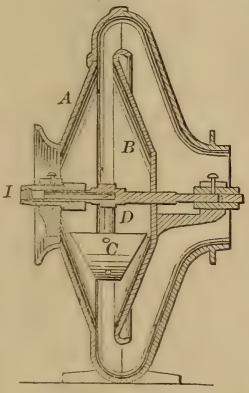
71568—A. Basse—*For Carving Wood.*



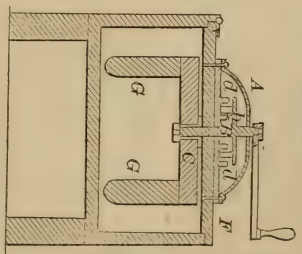
71567—A. E. Barnard—*Die for Swaging Bunter Shapes.*



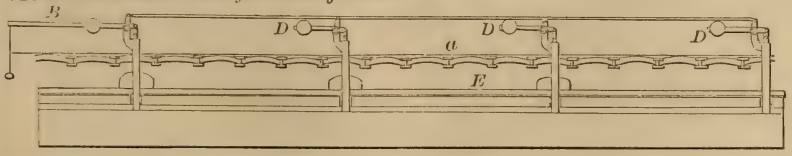
71569—Bassett & Smith—*Steam Blower.*



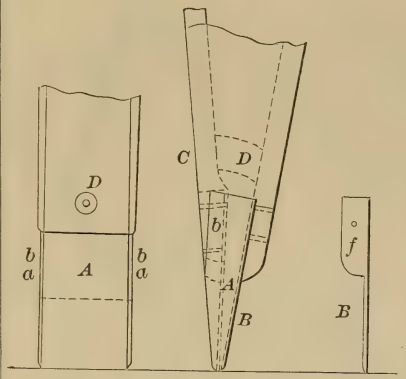
71570—M. Beck—*Washing Machine.*



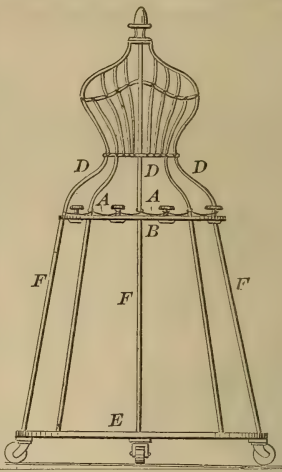
71571—D. Bievez—*Oven for Cooling Glass.*



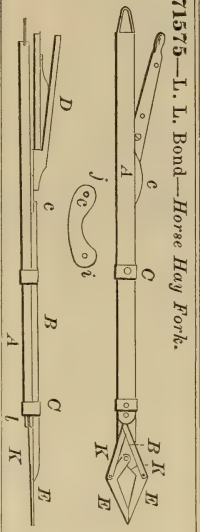
71572—O. Billings—*Corn Planter.*



71573—W. R. Boerner—*Wire Figure.*



71575—L. L. Bond—*Horse Hay Fork.*



71576—F. T. L. Boyle—*Runner for Wheeled Vehicles*

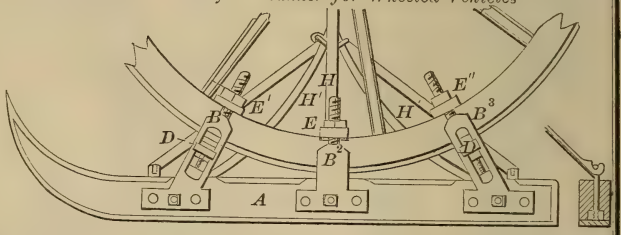
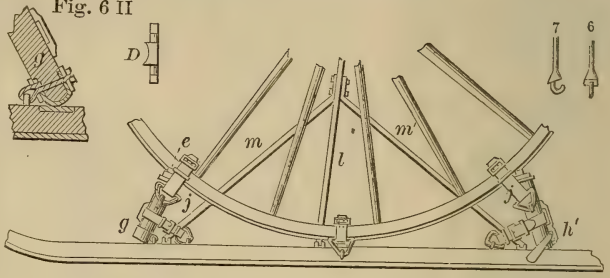


Fig. 6 II



71574—P. E. Bomboy—*Carriage Spring.*

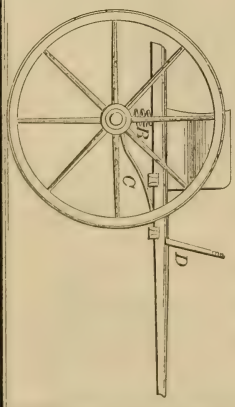


Fig. 16 II

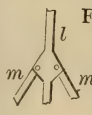


Fig. 18 II

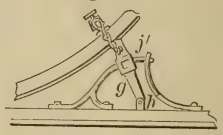


Fig. 19 II

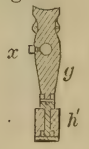
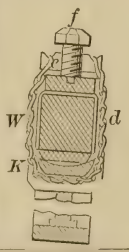


Fig. 4 II



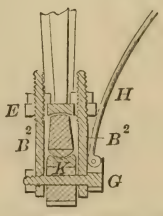
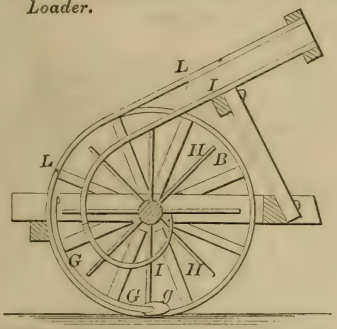
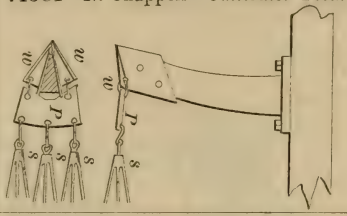


Fig. 7 II

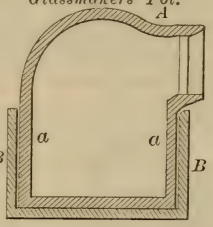
71577—Brown & Smith—*Hay Raker and Loader.*



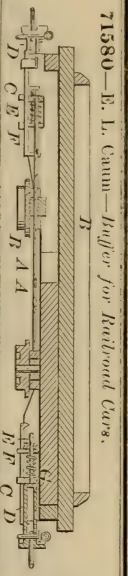
71581—N. Chappell—*Cultivator Teeth.*



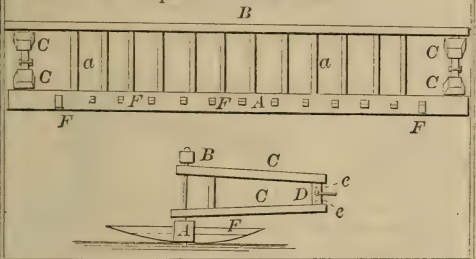
71578—W. H. Capewell—*Glassmakers' Pot.*



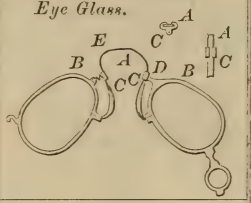
71580—E. L. Camm—*Buffer for Railroad Cars.*



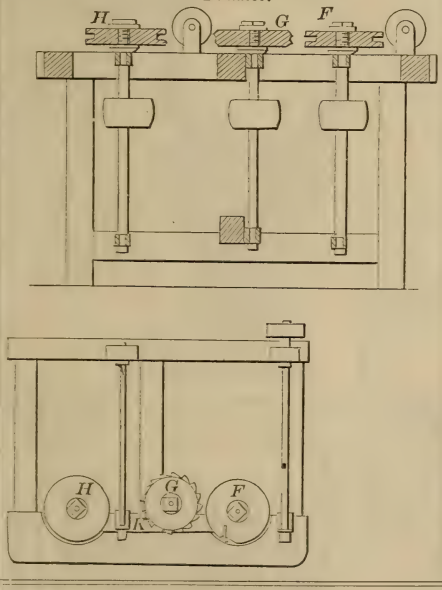
71579—S. Carpenter—*Horse Rake.*



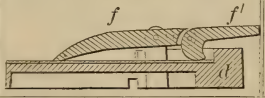
71584—J. J. Crispin—*Eye Glass.*



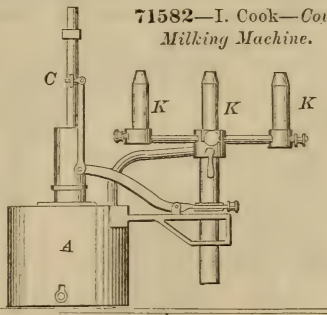
71609—H. W. Harper—*For Dressing Slate Frames.*



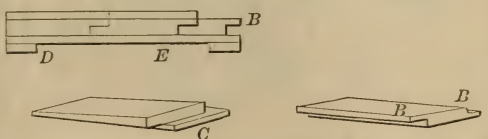
71586—J. P. Curtiss—*For Grinding Cutlery.*



71582—I. Cook—*Cow Milking Machine.*



71583—W. Cranage—*Roof Tile.*



71587—W. Damerel—*Building.*

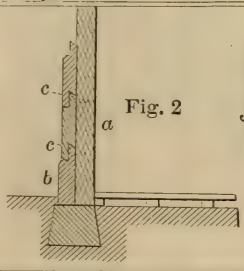
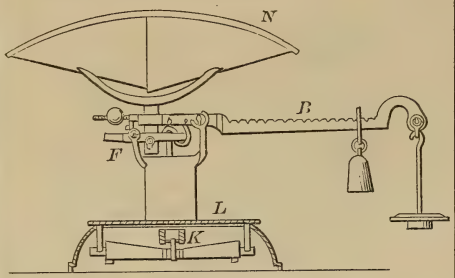
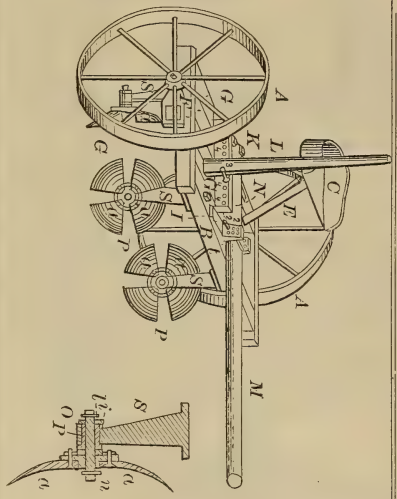


Fig. 2

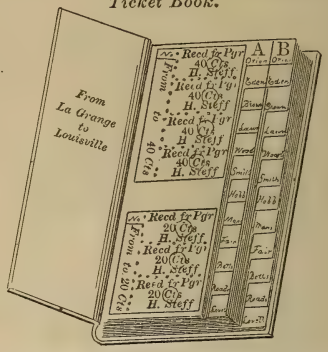
71588—J. C. Dell—*Scales.*



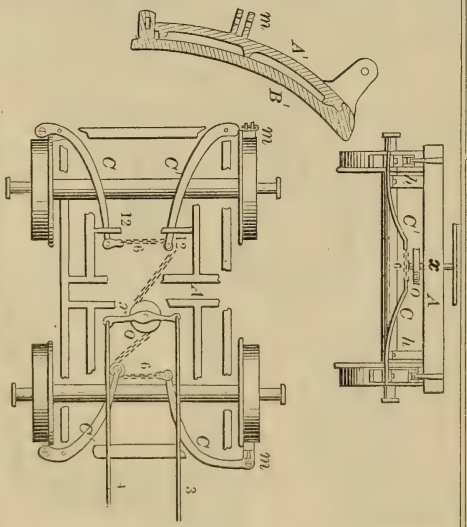
71589—J. Densmore—*Rotating Tooth Cultivator.*



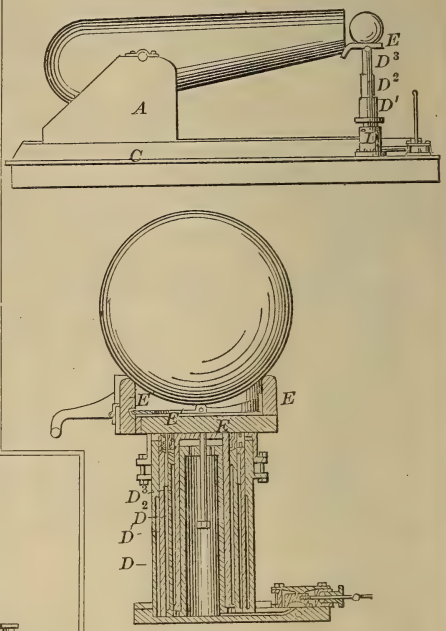
71590—R. de Roode—*Conductors' Ticket Book.*



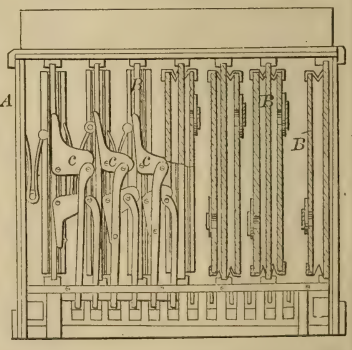
71591—Dunham & Widney—*Car Brake.*



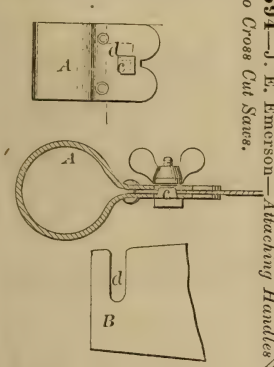
71592—J. B. Eads—*Loading Ordnance.*



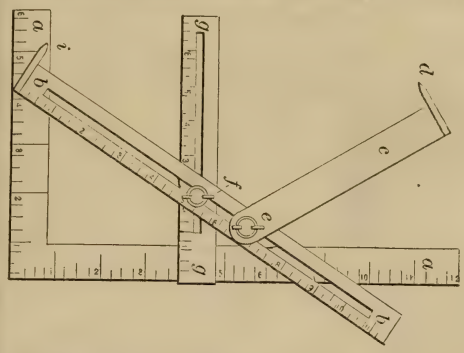
71593—K. Ebermeyr—*Melodeon.*



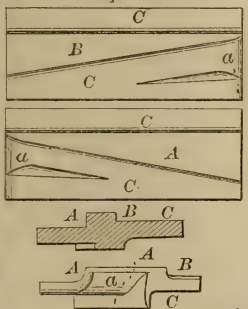
71594—J. E. Emerson—*Attaching Handles to Cross Cut Saws.*



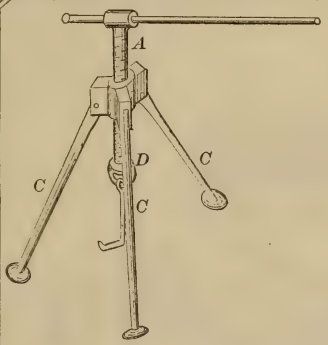
71595—T. Evans—*Drafting Instrument.*



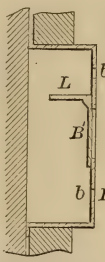
71596—B. W. Felton—*Car Replacer.*



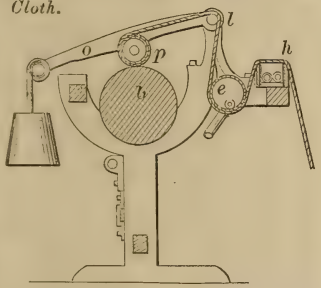
71598—A. D. Fox—*Railroad Jack.*



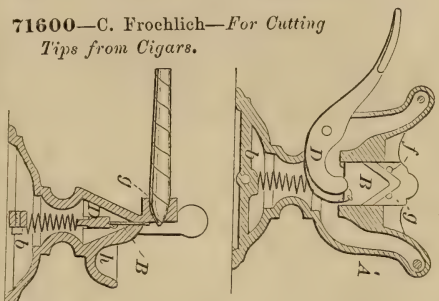
71602—J. P. Gallagher—*Stove Pipe Thimble.*



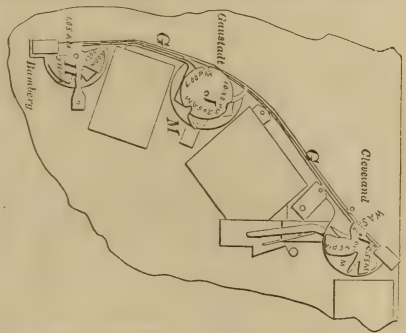
71599—C. L. Frink—*For Smoothing Cloth.*



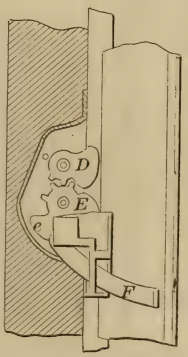
71600—C. Frochlich—*For Cutting Tips from Cigars.*



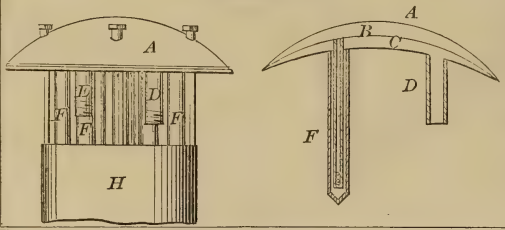
71601—C. C. Gale—*Railroad Time Indicator.*



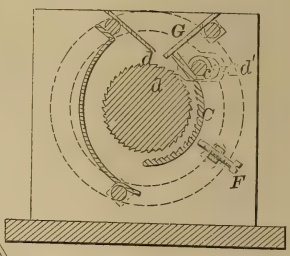
71603—Garretson & Clark—*Sash Stop.*



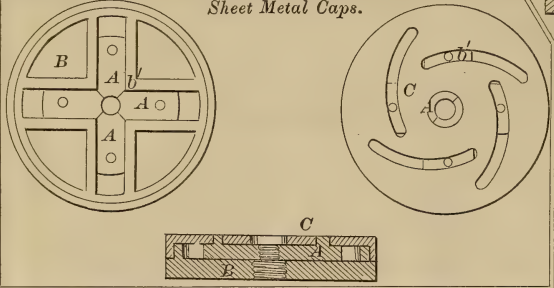
71604—Garvin & Pettibone—*Feed Water Heater for Locomotives.*



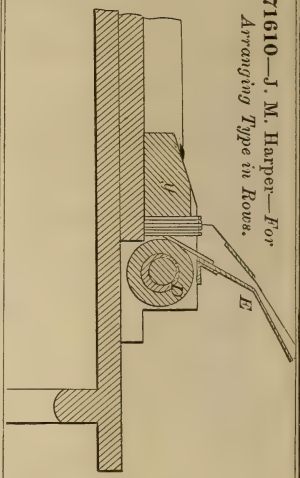
71606—T. Grey—*Grinding Mill.*



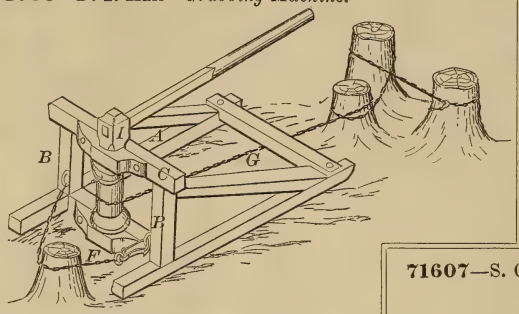
71605—W. T Gillinder—*For Forming Threads on Sheet Metal Caps.*



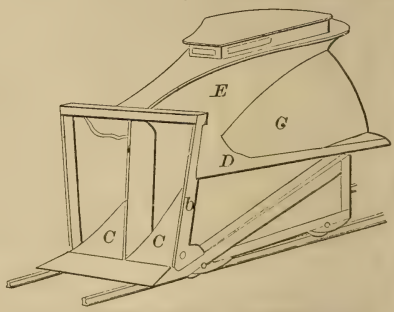
71610—J. M. Harper—*For Arranging Type in Rows.*



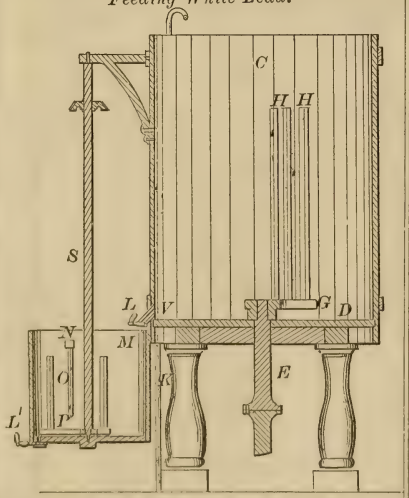
71608—D. I. Hall—*Grubbing Machine.*



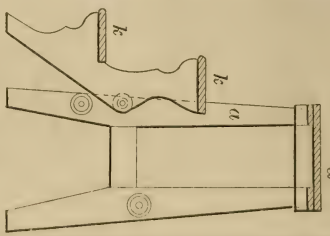
71607—S. G. Hadley—*Railroad Snow Plow.*



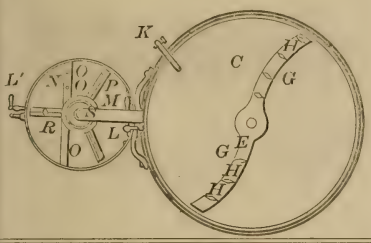
71612—J. Haslett, Jr—*For Mixing and Feeding White Lead.*



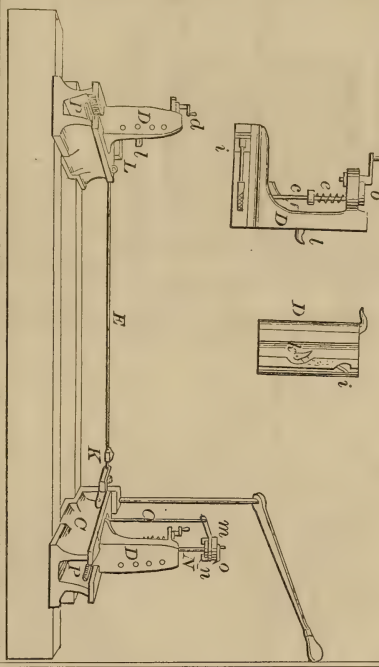
71611—Harrison & Condie—*Folding Step.*



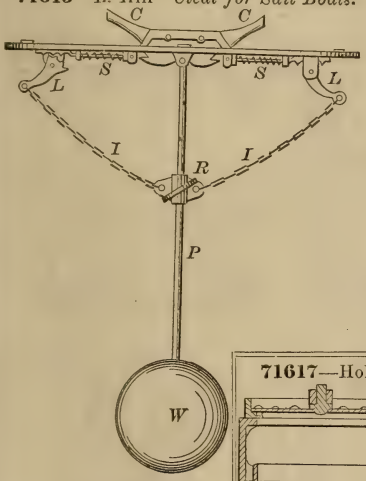
71612—*Continued.*



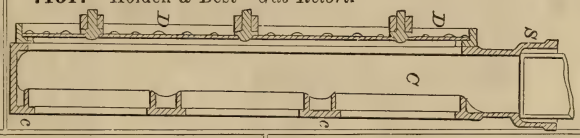
71614—J. P. Haynes—*Head Block for Saw Mills.*



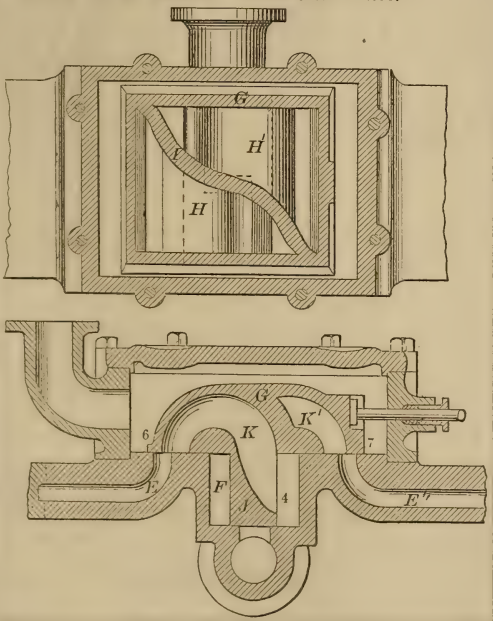
71615—L. Hill—*Cleat for Sail Boats.*



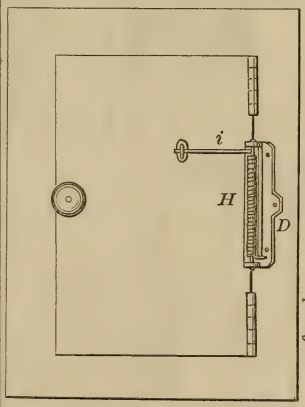
71617—Holden & Best—*Gas Retort.*



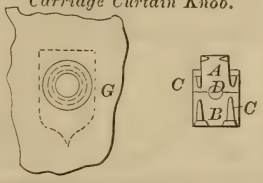
71618—B. W. Hudson—*Steam Slide Valve.*



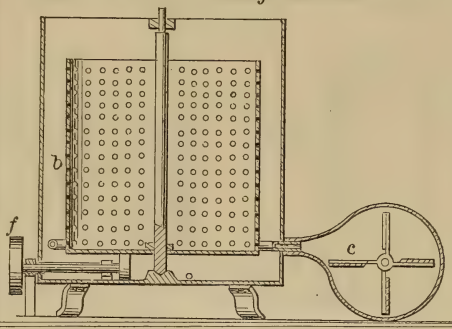
71616—L. Hillebrand—*Door Spring.*



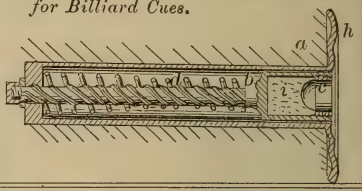
71613—W. H. Hawkins—*Carriage Curtain Knob.*



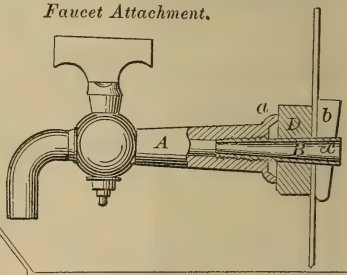
71619—F. Huot—*Treating Petroleum.*



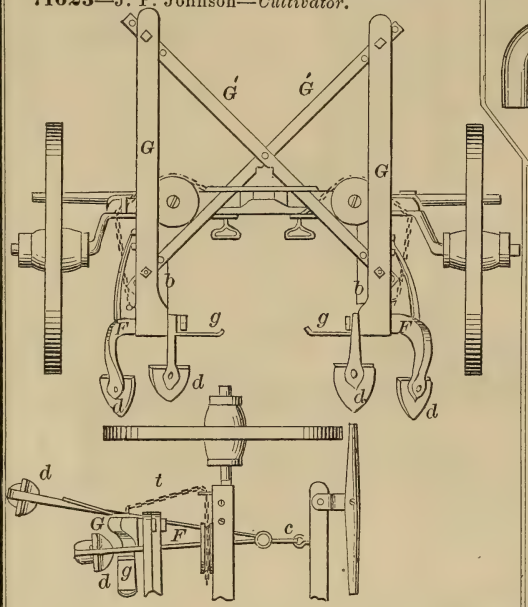
71621—J. Jenkinson—*Chalk Holder for Billiard Cues.*



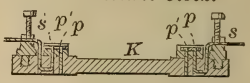
71622—Johnson & Milliken—*Faucet Attachment.*

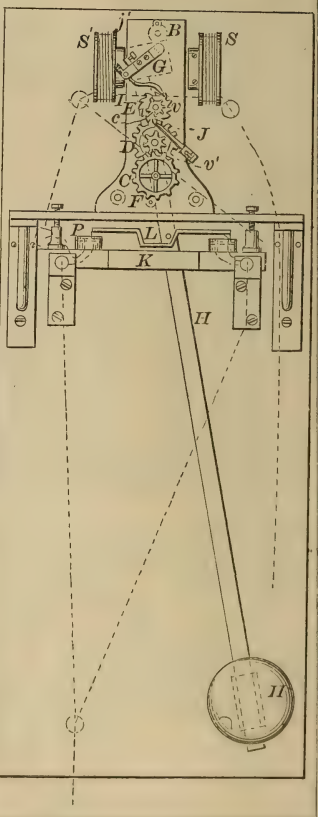


71623—J. P. Johnson—*Cultivator.*

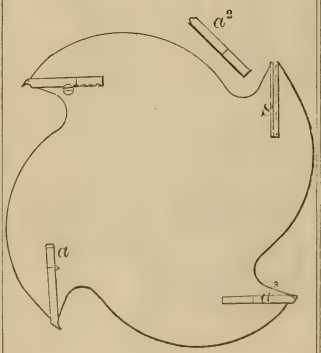


71624—Kennedy, Holt & Gerlach—*Electric Clock.*

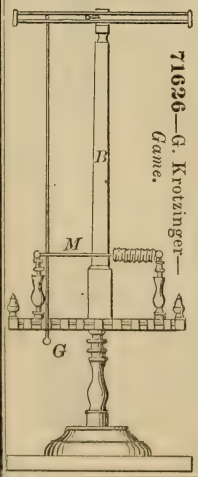




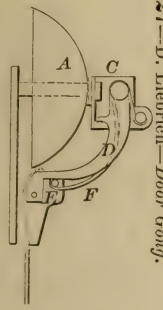
71625—J. L. Krauser—*Saw.*



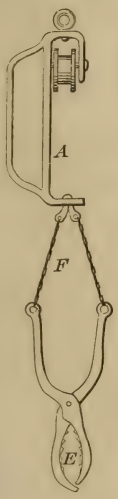
71626—G. Krotzinger—*Game.*



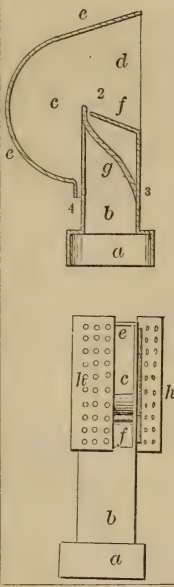
71627—D. Liebrich—*Door Gong.*



71628—J. K. Martin—*For Hoisting Hogs in Slaughter Houses.*

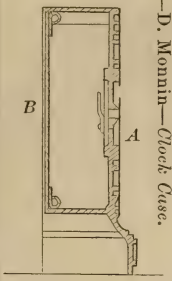


71630—B. F. Miller—*Ventilating Cowl.*

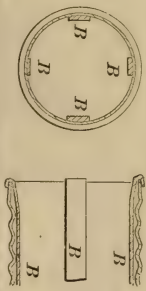


71633—Newcomb & Lyon—*Cartridge Box.*

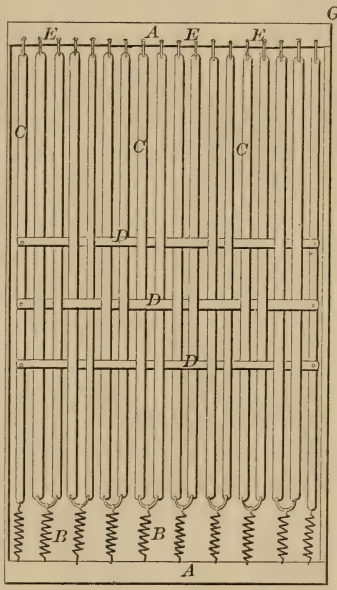
71631—D. Monnin—*Clock Case.*



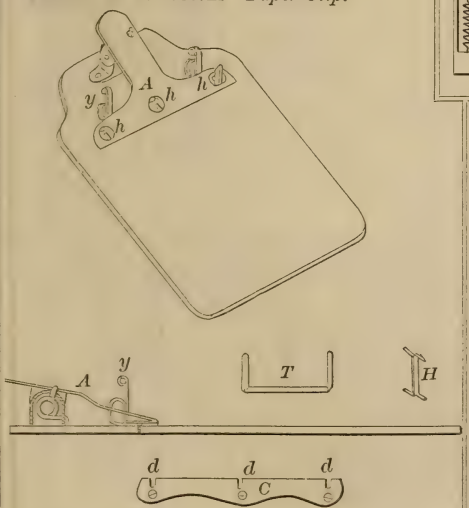
71632—G. R. Moore—*Corrugated Sheet Metal Boiler.*



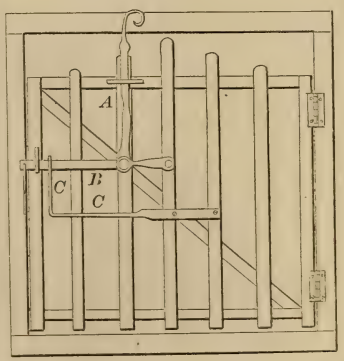
71634—B. J. Oleff—*Spring Bed Bottom.*



71635—J. H. Parsons—*Paper Clip.*



71636—E. Pea—*Gate Fastening.*



71637—C. E. Pierce—*Burglar Alarm.*

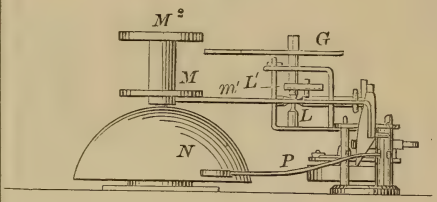


Fig. 2

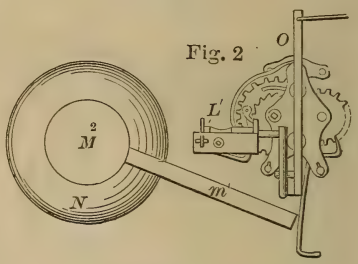


Fig. 5

Fig. 6

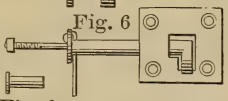


Fig. 6 a

Fig. 5 h

Fig. 7

Fig. 7 a

Fig. 14

Fig. 14 a

Fig. 14 b

Fig. 14 c

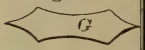
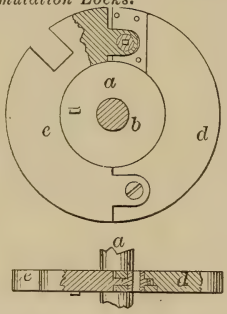
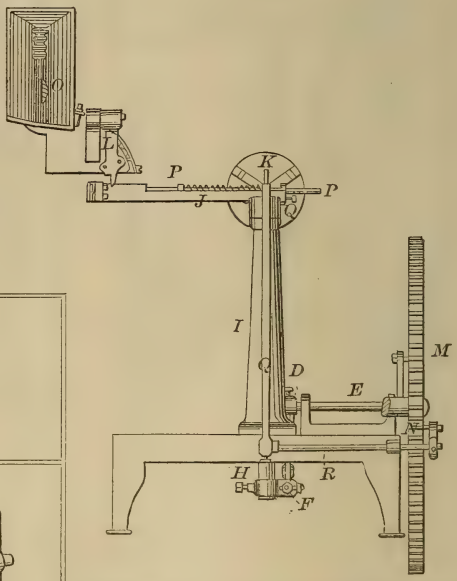


Fig. 5

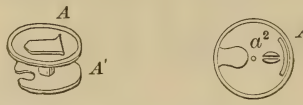
71640—J. H. Porter—*Tumbler for Permutation Locks.*



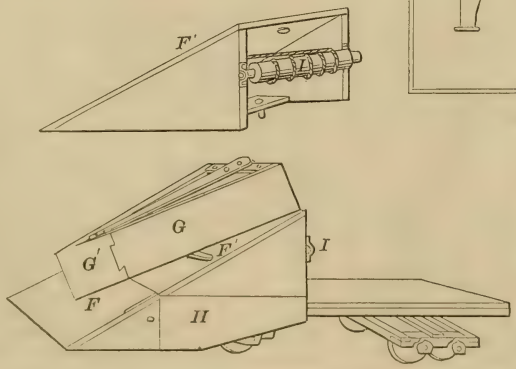
71638—E. S. Pierce—*For Feeding Screw Blanks.*



71641—H. Prouhet—*Button.*

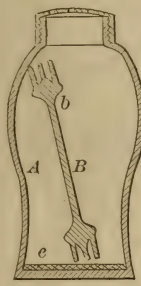


71642—S. Richards—*Snow Plow.*

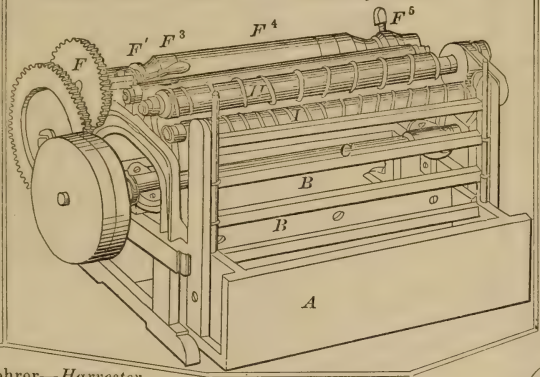


71639—O. E. Pillard—*Tumbler for Permutation Locks.*

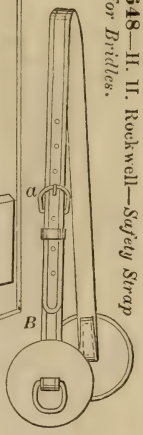
71643—G. B. Richardson—*Salt Bottle.*



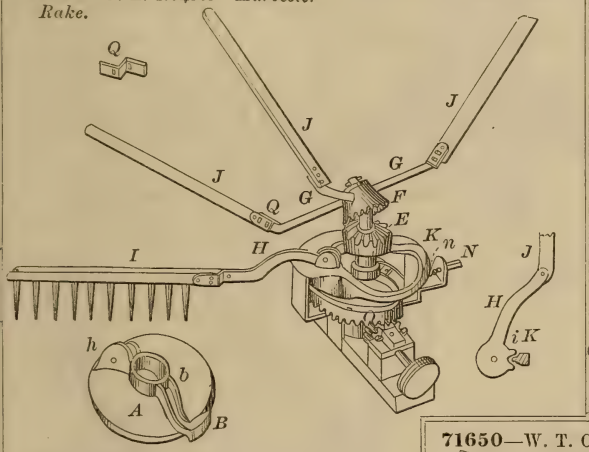
71647—H. P. Roche—*For Stretching Cloth.*



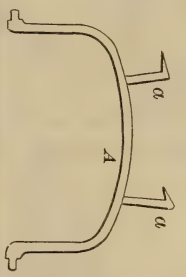
71648—H. H. Rockwell—*Safety Strap for Bridles.*



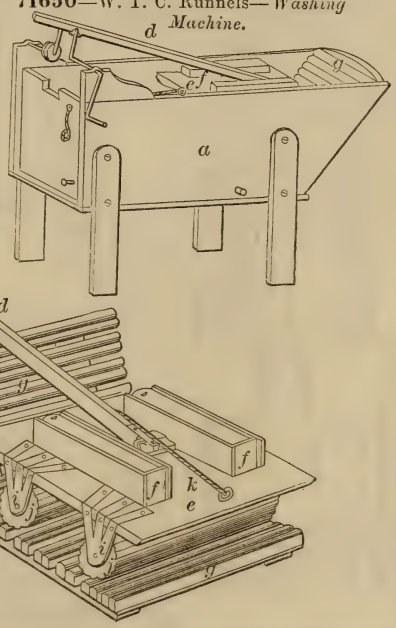
71649—J. L. Rohrer—*Harvester Rake.*



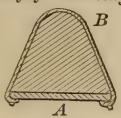
71644—W. Richter—*Steel Trap.*



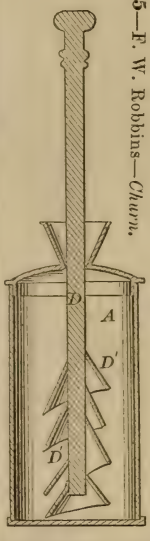
71650—W. T. C. Runnels—*Washing Machine.*



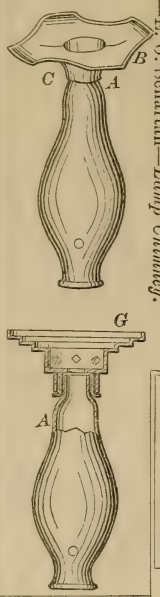
71646—Robinson & Lovejoy—*Lasting Shoe.*



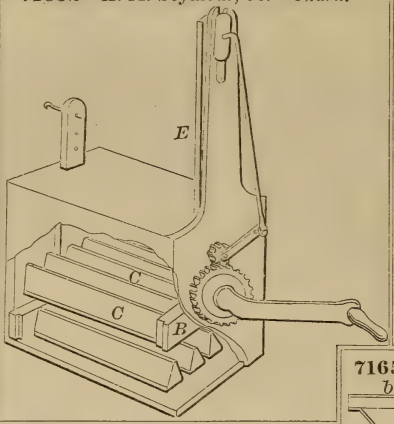
71645—F. W. Robbins—*Churn.*



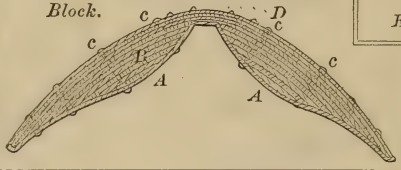
71651—E. O. Schartan—*Lamp Chimney.*



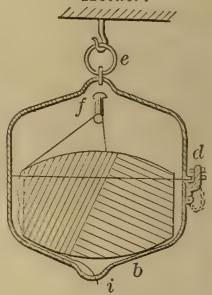
71652—A. M. Seymour, Jr.—*Churn.*



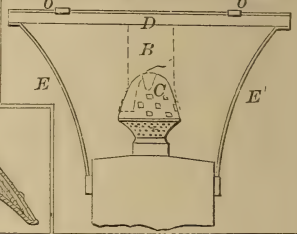
71653—P. Shaw—*Harness Pad Block.*



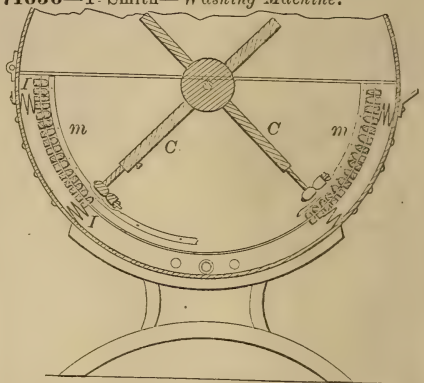
71655—R. L. Smith—*Twine Holder.*



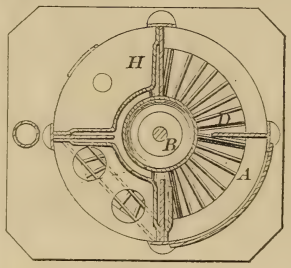
71658—J. M. Sporer—*Lamp.*

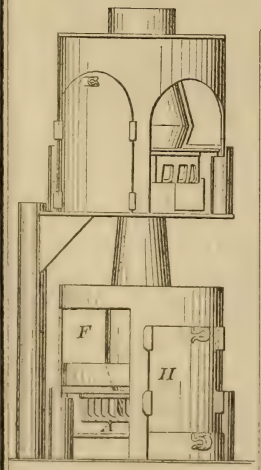


71656—T. Smith—*Washing Machine.*

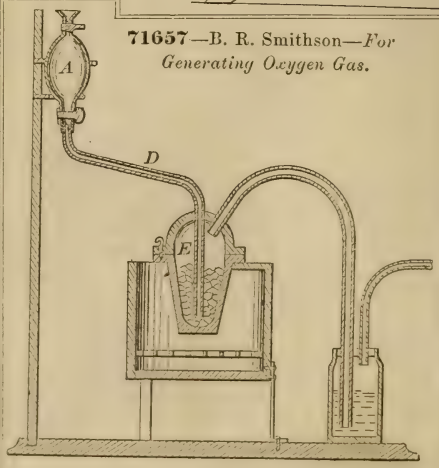


71659—S. B. Stewart—*Stove Grate.*



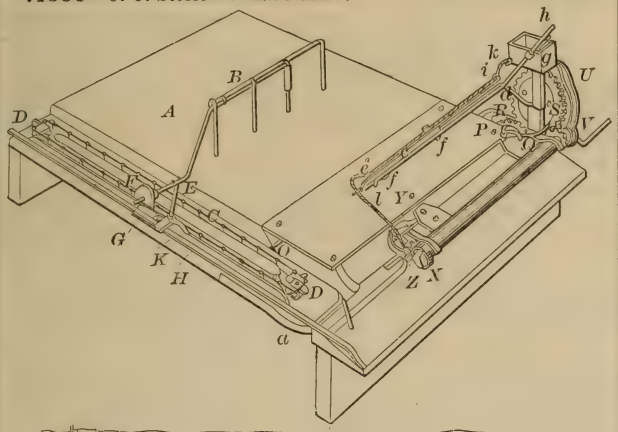


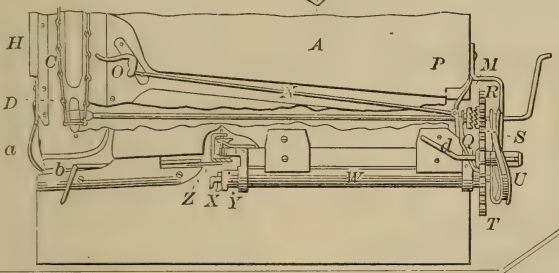
71657—B. R. Smithson—*For Generating Oxygen Gas.*



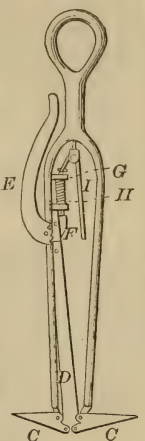
71654—C. E. Simmons—*Bed Bottom.*

71660—O. O. Storle—*Grain Binder.*

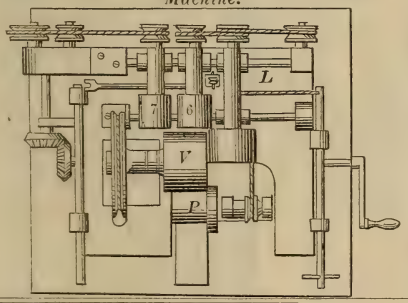




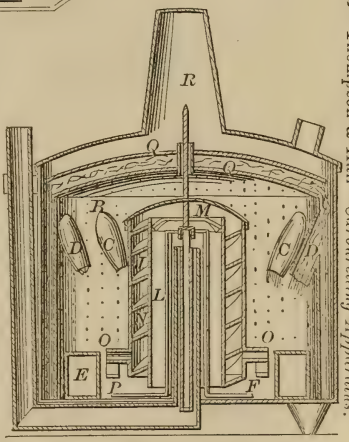
71661—Stouffer, Heaton & Bushong—*Horse Hay Fork.*



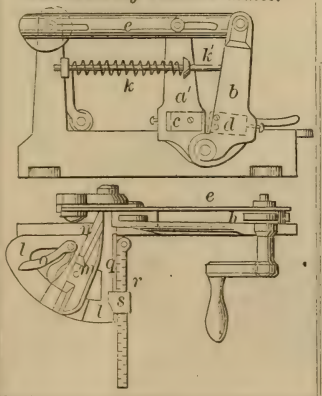
71662—Stout & Richardson—*Hat Ironing Machine.*



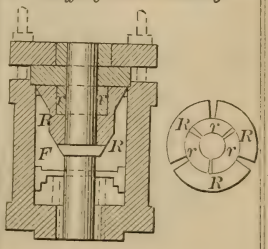
71665—Thompson & Hall—*Carbureting Apparatus.*



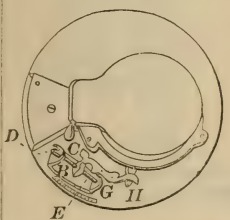
71668—R. Walker—*For Cutting and Mitering Printers' Rules.*



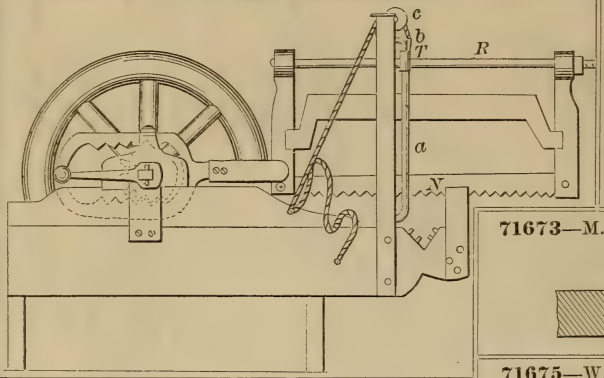
71664—C. M. Templeton—*Stuffing-Box Packing.*



71666—H. Todd—*Regulating Watch*

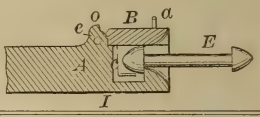


71669—Werni & De Bare—*Sawing Machine.*

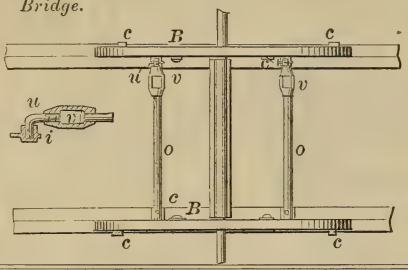


71670—J. Whitworth—*Cutter Head for Mouldings.*

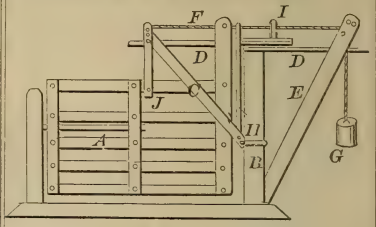
71673—M. K. Adams—*Car Coupling.*



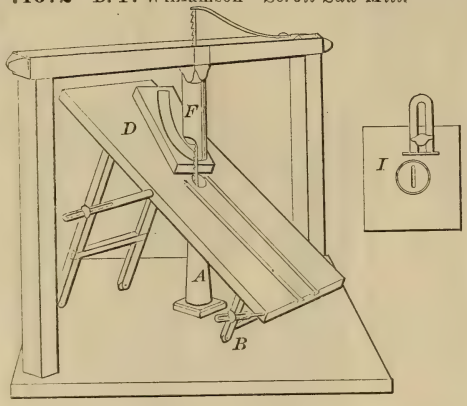
71671—Wilkinson & Beggs—*Portable Hose Bridge.*



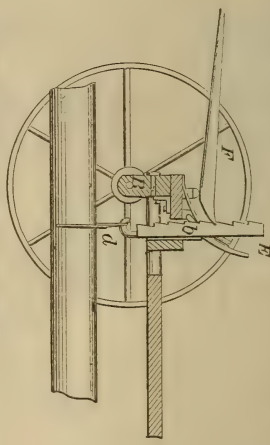
71675—W. J. Alexander—*Gate.*



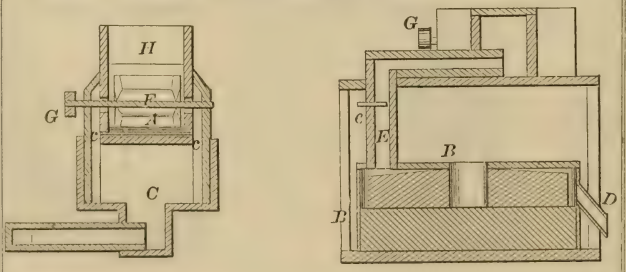
71672—B. F. Williamson—*Scroll Saw Mill.*



71674—N. Albertson—*Hoisting Device for Trucks.*

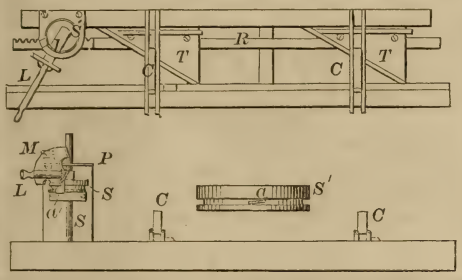


71677—D. Baird—*Exhaust for Mill Stones.*

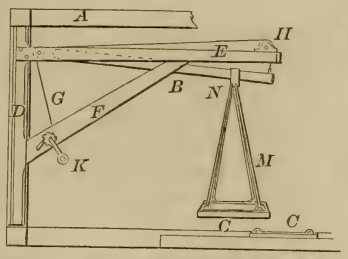


71676—J. M. Bailey—*Wheel.*

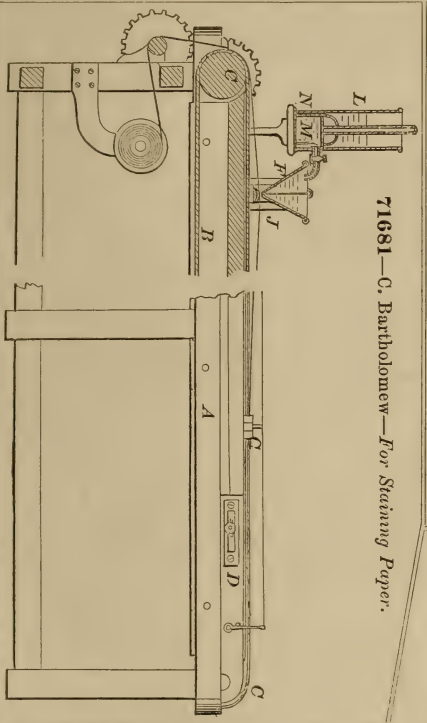
71678—T. C. Ball—*Head Block for Saw Mills*



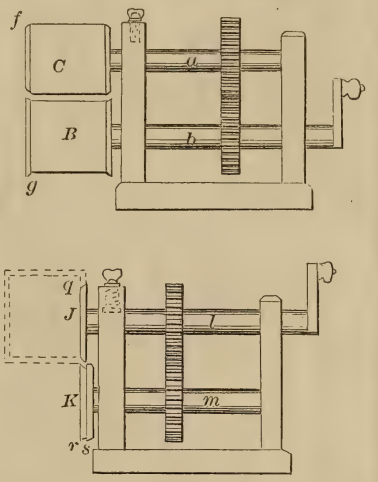
71682—A. S. Batten—*Crane.*



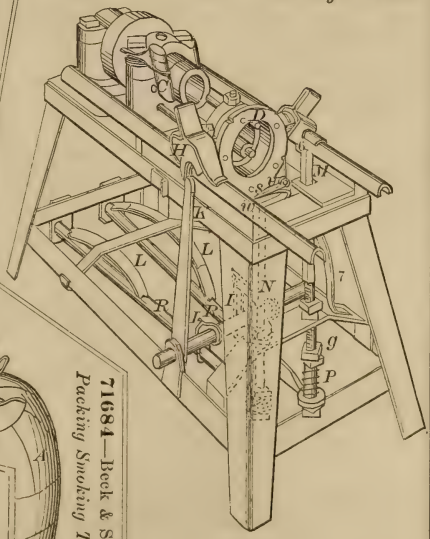
71681—C. Bartholomew—*For Staining Paper.*



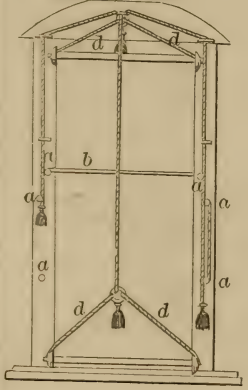
71680—C. Barry—*For Making Tin Cans.*



71683—P. D. Beach—*For Boring Bobbins.*

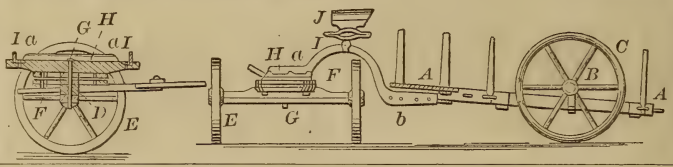


71679—A. P. Barlow—*Curtain Fixture.*



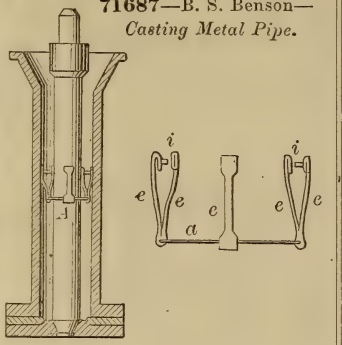
71684—Beck & Siebert—*Packing Smoking Tobacco.*

71685—W. P. F. Beggs—*Truck.*

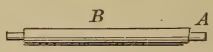


71686—T. Bell—*Ink Well.*

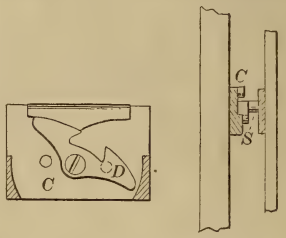
71687—B. S. Benson—*Casting Metal Pipe.*



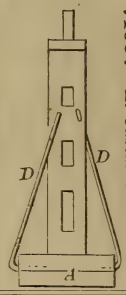
71688—S. C. Bishop—*Insulating Covering for Telegraph Wires.*



71694—J. Bull—*Gate Fastening.*

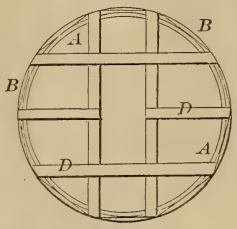


71697—L. Castalnac—*Pewter.*

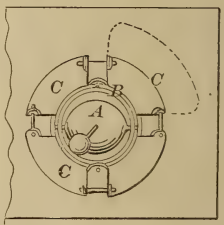


71692—E. T. Brigham—*Pessary.*

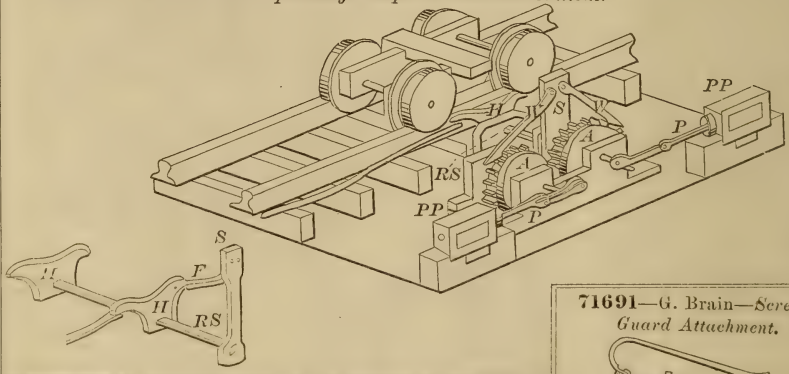
71690—M. Bradley—*Preventing the Heating of Mill Burrs.*



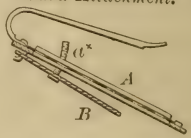
71693—G. W. Brown—*Animal Trap.*



71695—H. H. Call—*For Operating Pumps on Railroad Stations.*

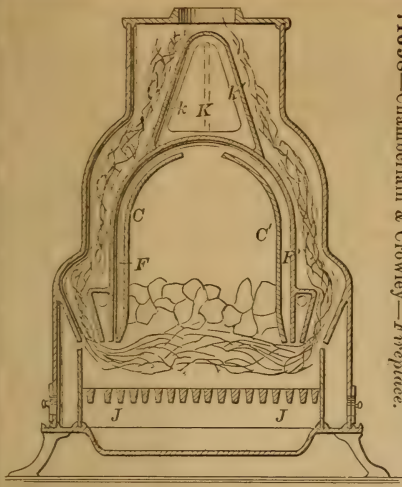


71691—G. Brain—*Screen Guard Attachment.*

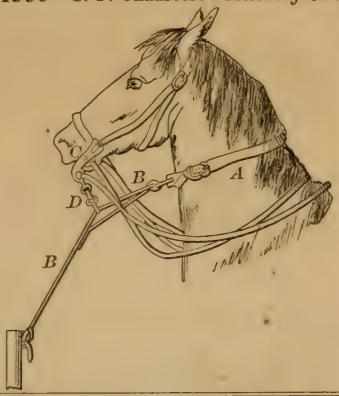


71696—G. C Carver—*Egg Beater.*

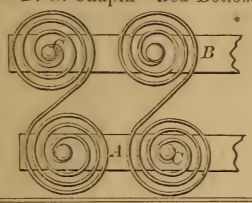
71698—Chamberlain & Crowley—*Fireplace.*



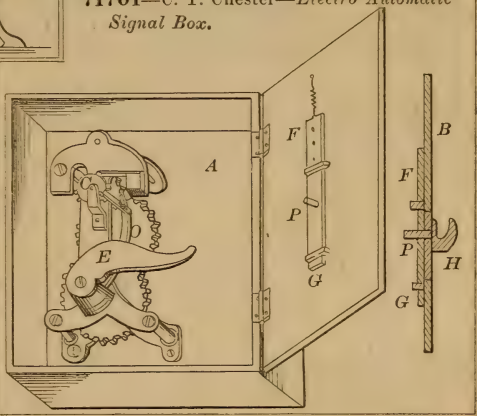
71999—T. P. Chambers—*Hitching Strap.*



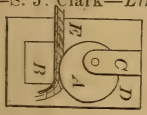
71700—D. G. Chapin—*Bed Bottom.*



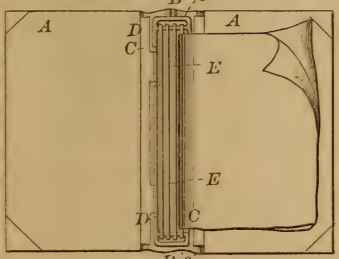
71701—C. T. Chester—*Electro Automatic Signal Box.*



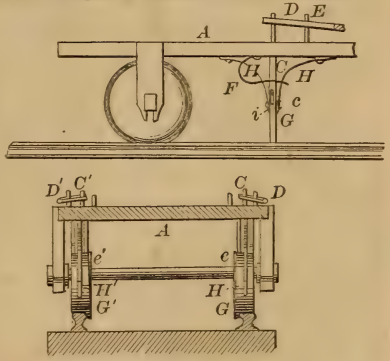
71702—S. J. Clark—*Line Holder.*



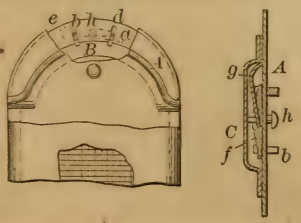
71703—J. C. Clark—*Temporary Binder for Music, &c.*



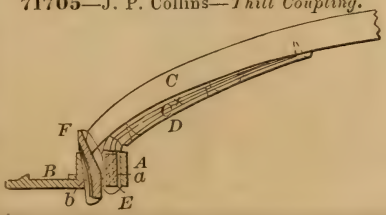
71704—Cogan & Russell—*Track Clearer.*



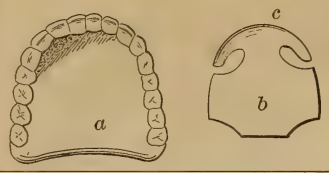
71706—J. Cotton—*Safety Pocket.*



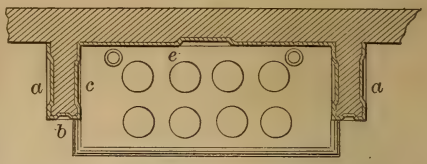
71705—J. P. Collins—*Thill Coupling.*



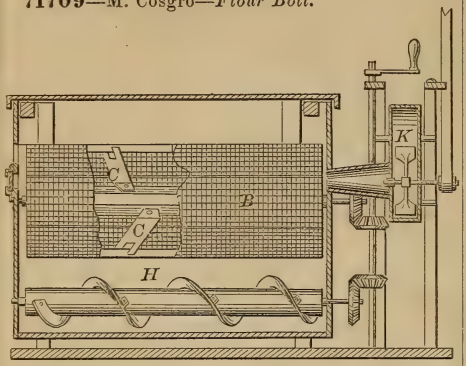
71707—G. W. Cool—*Dental Substitute.*



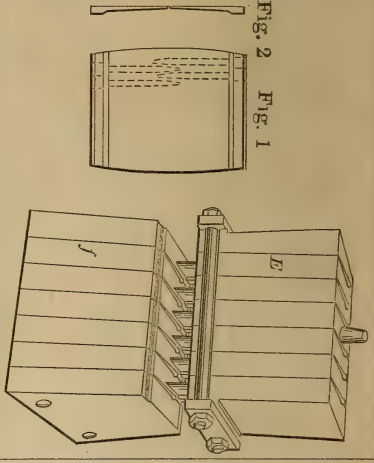
71708—J. Correja—*Fire Frame for Chimneys.*



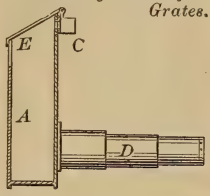
71709—M. Cosgro—*Flour Bolt.*



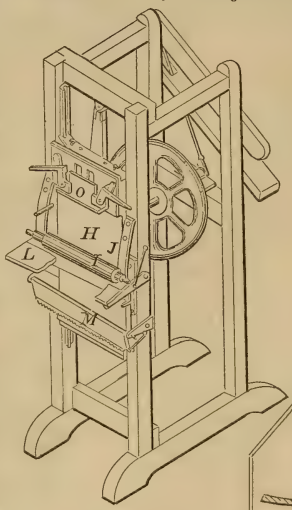
71710—H. D. Cowles—*Horse Shoe Nail.*

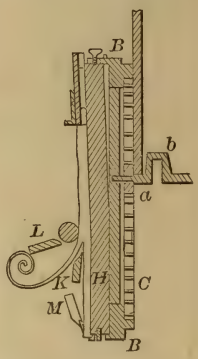


71711—J. M. Crockett—*Ventilating Device for Grates.*

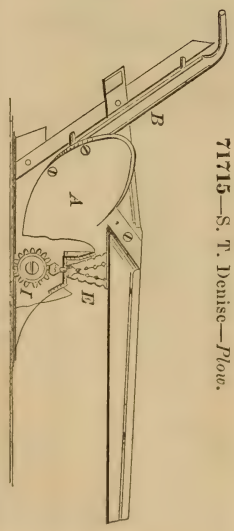


71714—B. Day—*Shingle Machine.*

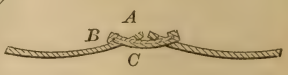




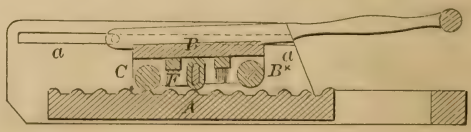
71715—S. T. Denise—*Plow.*



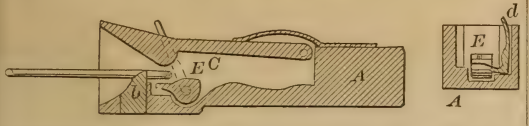
71713—D. P. Davis—*Belt Lacing Device.*



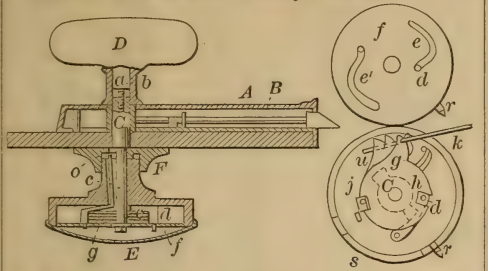
71716—G. M. Denison—*Washing Machine.*



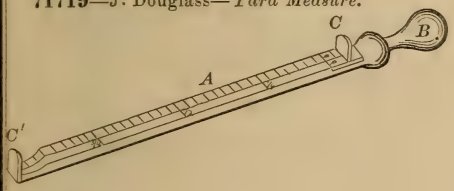
71717—M. Disney—*Car Coupling.*



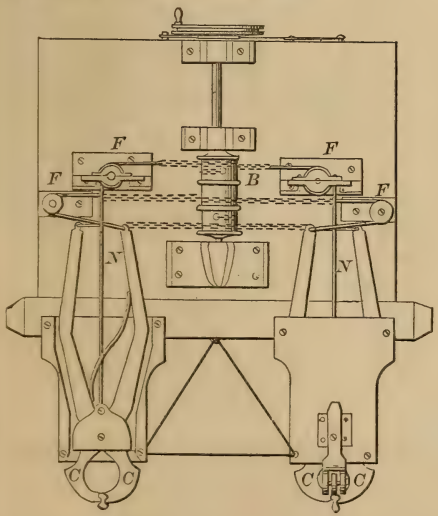
71721—C. H. Eiffler—*Locking Knob Latch.*



71719—J. Douglass—*Yard Measure.*

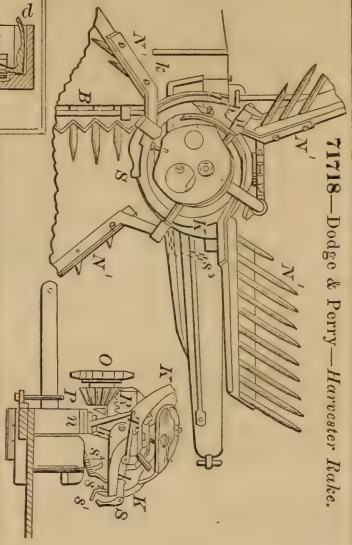


71720—E. H. Duru—*Car Brake.*

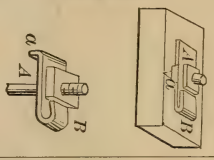


71726—Farr & Hall—*Saddlers' Tool.*

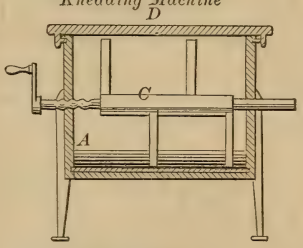
71718—Dodge & Perry—*Harvester Rake.*



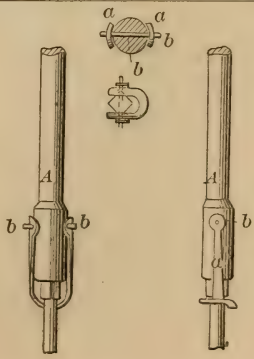
71722—E. A. Ellsworth—*Nut Lock and Washer.*



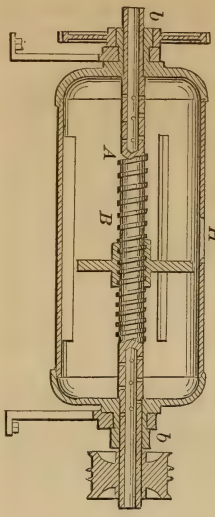
71723—S. Emmore—*Dough Kneading Machine*



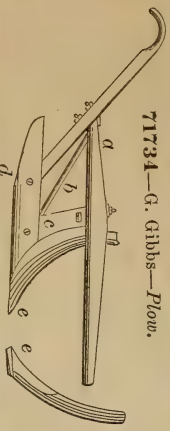
71727—S. F. Fenn—*Bit Brace.*



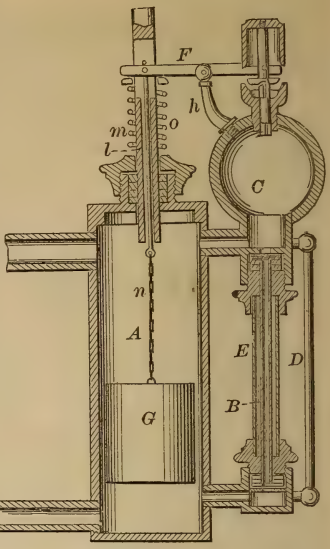
71728—A. Fickett—*For Filling Rotary Paper Pulp Boilers*



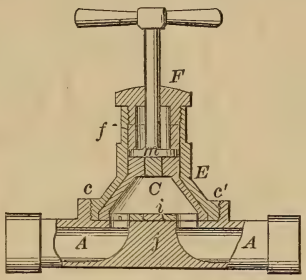
71734—G. Gibbs—*Plow.*



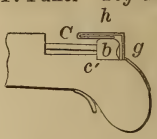
71729—R. A. Filkins—*Low Water Indicator.*

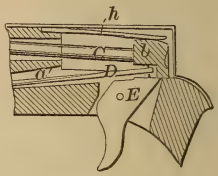


71730—R. A. Filkins—*Rotary Steam Valve.*

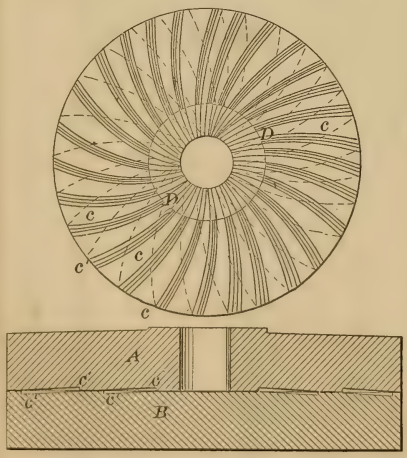


71732—F. Fuller—*Toy Gun.*

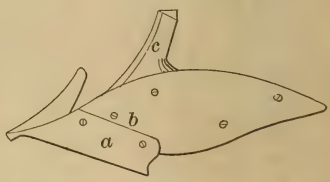




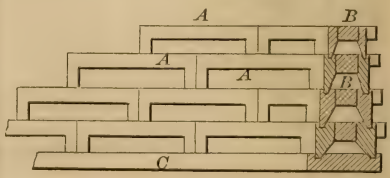
71733—A. N. Garland—*Dress for Mill Stones.*



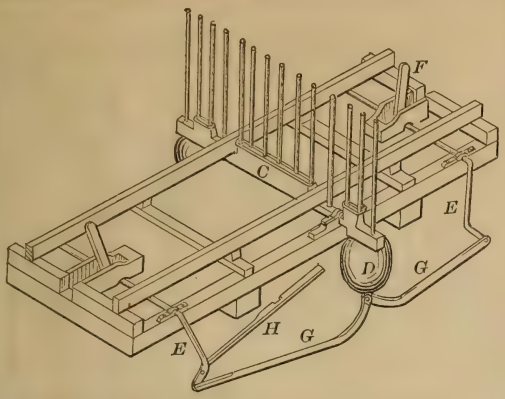
71735—Gibbs, Gibbs & Wikidal—*Plow.*



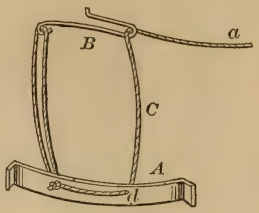
71736—S. Good—*Fence.*



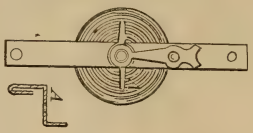
71737—Goodman & Fessler—*Railroad Gate.*

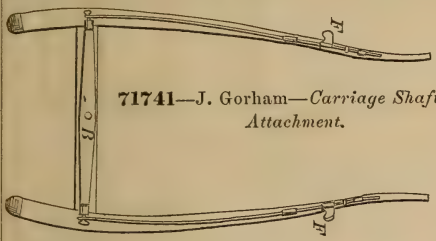


71739—J. J. Gordon—*Bag Tie.*



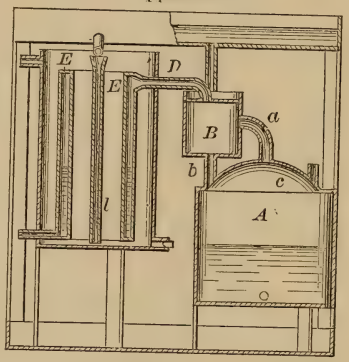
71738—A. I. Goodrich—*Regulator for Marine Clocks.*



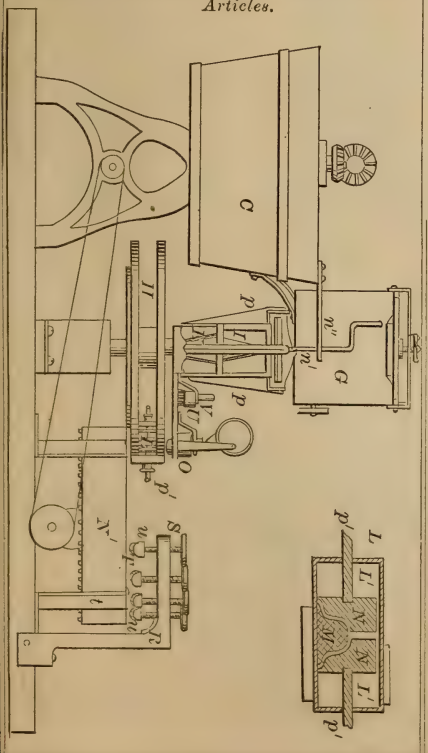


71741—J. Gorham—*Carriage Shaft Attachment.*

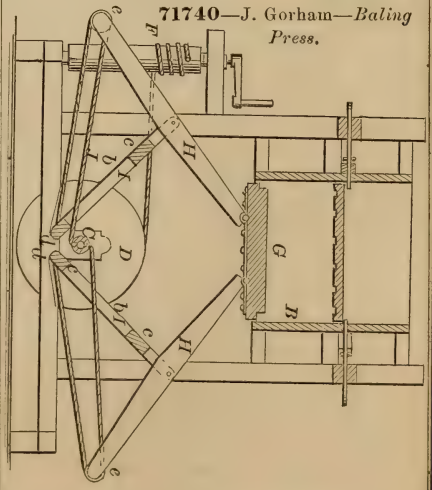
71744—T. Grundmann—*Distilling Apparatus.*



71742—H. Grambo—*For Making Paper Articles.*



71740—J. Gorham—*Baling Press.*



71745—J. R. Hall—*Sash Stop.*

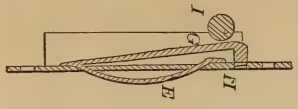
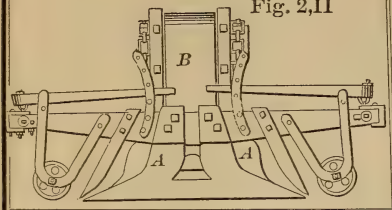
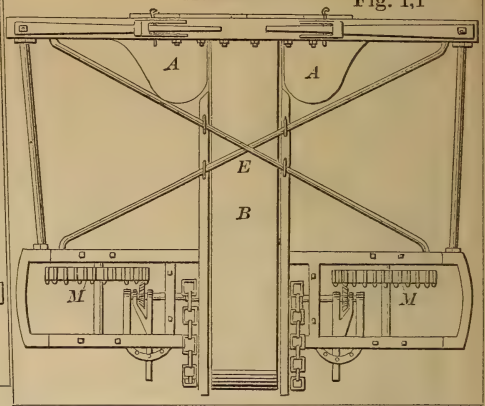


Fig. 2,II

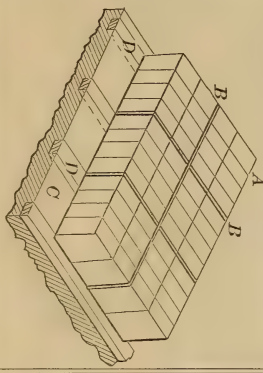


71747—T. C. Hammond—*Grading and Excavating Machine.*

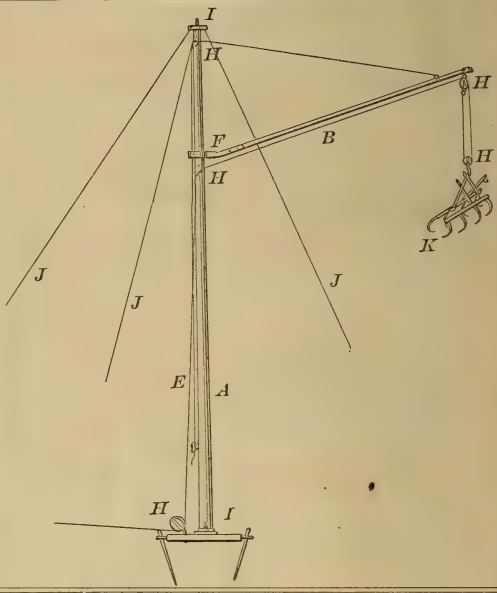
Fig. 1,I



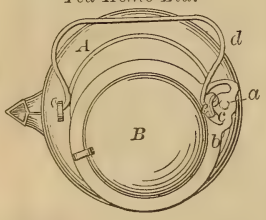
71746—A. Hamar—*Street Pavement.*



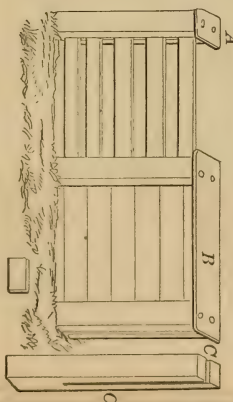
71749—I. J. Hattavough—*Field Derrick.*



71748—C. C. Hare—*Hinging Tea Kettle Lid.*

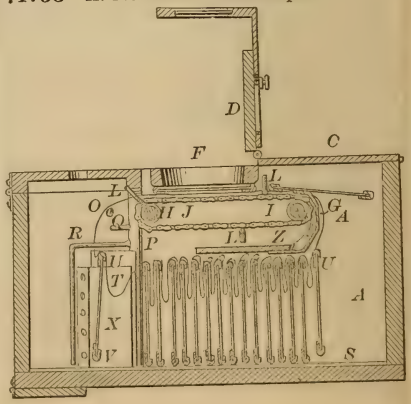


71750—C. A. Haviland—*Fence.*

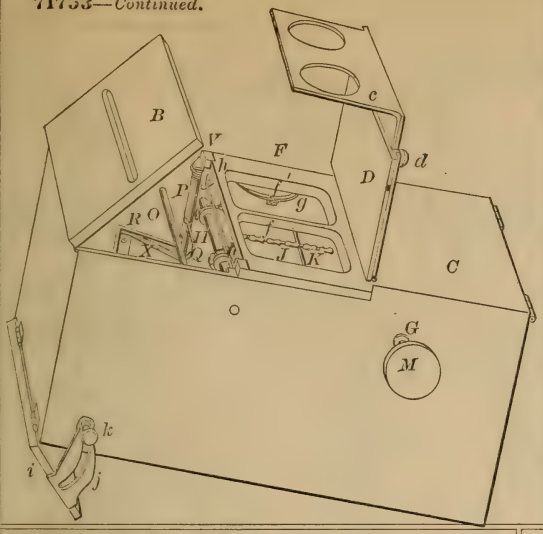


71751—G. H. Hawkins—*Pill Box.*

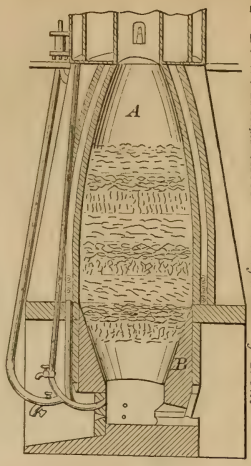
71753—A. Heilburn—*Stereoscope.*



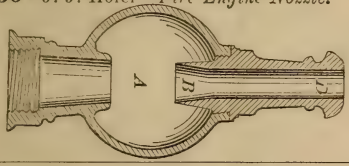
71753—*Continued.*



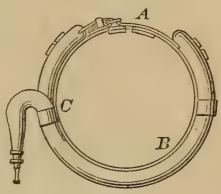
71754—D. W. Hendrickson—*Manufacture of Iron.*



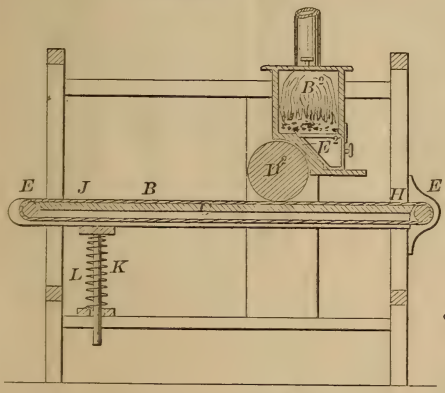
71756—J. J. Hofer—*Fire Engine Nozzle.*

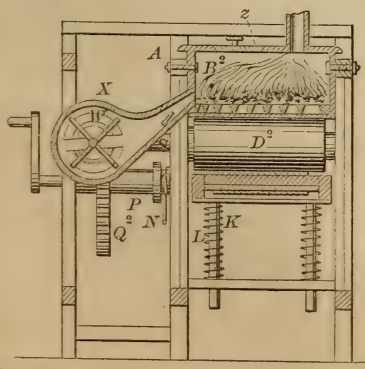


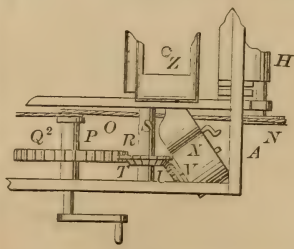
71755—D. H. Heyen—*Life Preserver.*



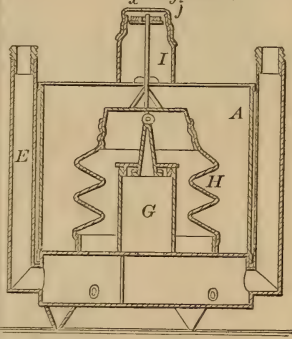
71758—C. R. Hoyt—*For Ironing Clothes.*



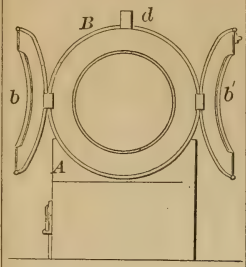




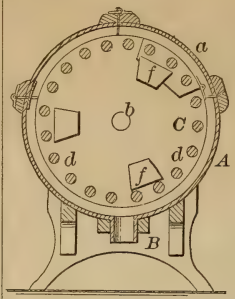
71757—J. B. Hoffman—*Dry Gas x Regulator.*



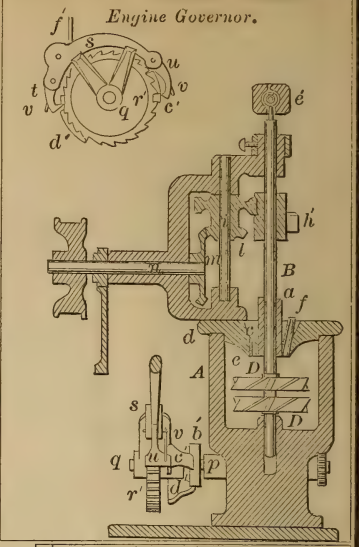
71759—J. R. Humphreys—*Tire Heating Apparatus.*



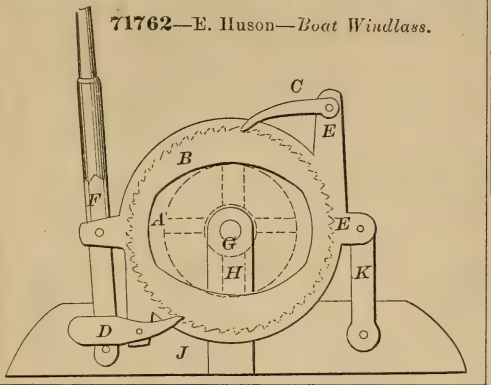
71760—E. Hunt—*Washing Machine.*



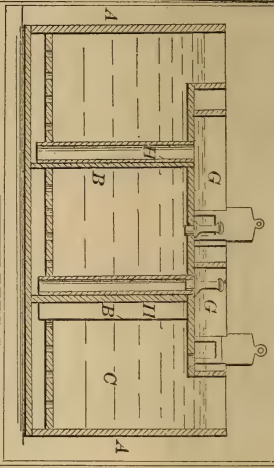
71761—R. K. Huntoon—*Steam Engine Governor.*



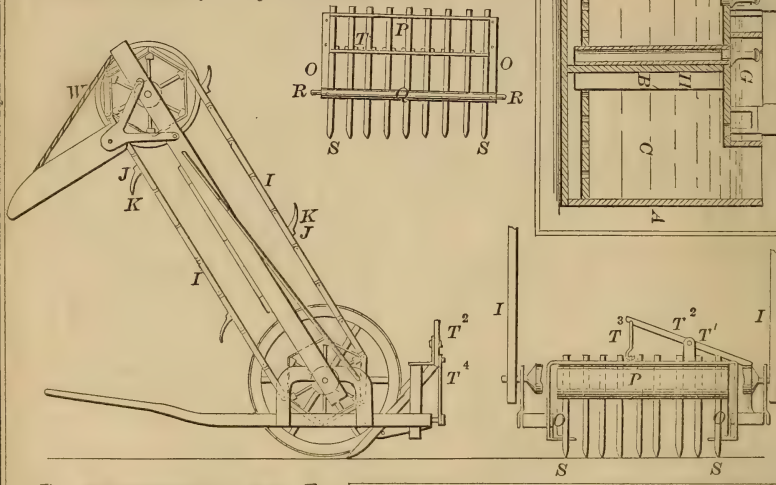
71762—E. Huson—*Boat Windlass.*



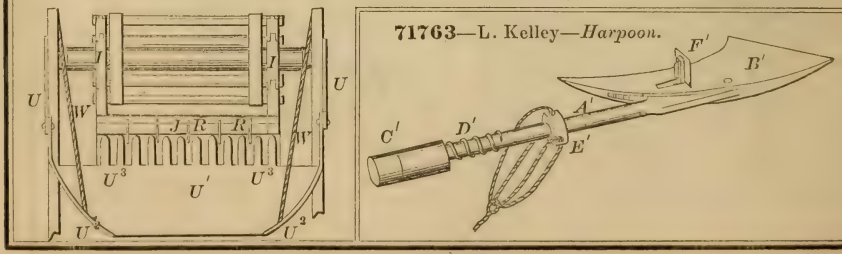
71765—C. Korn—*For Leaching Bark.*



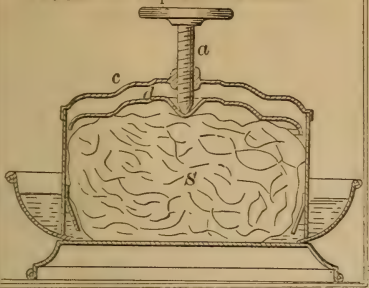
71764—H. Kewley—*Hay Raker and Loader.*



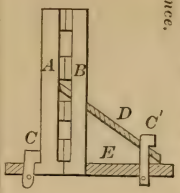
71763—L. Kelley—*Harpoon.*



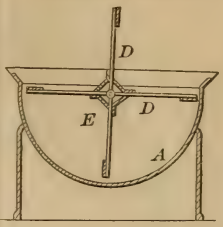
71766—R. Lapham—*Inkstand.*



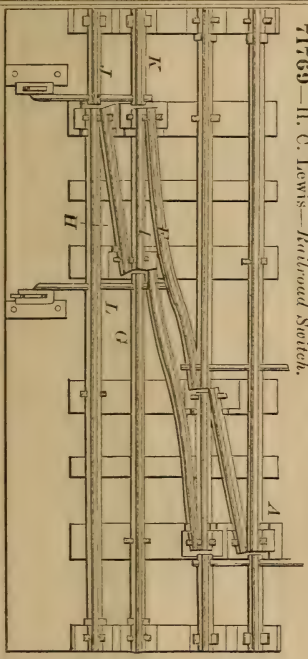
71767—S. Leonard, Jr.—*Fence.*



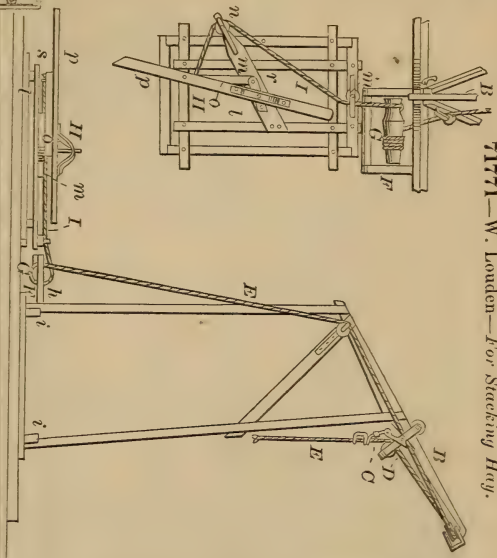
71768—T. Leonhard—*Bleaching Vegetable Oil.*



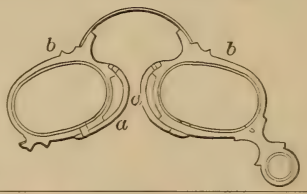
71769—H. C. Lewis—*Railroad Switch.*



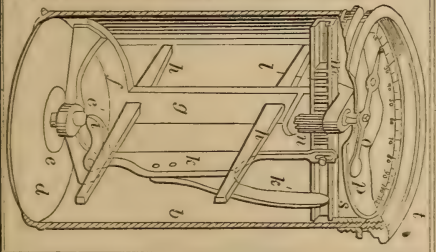
71771—W. Louden—*For Stacking Hay.*



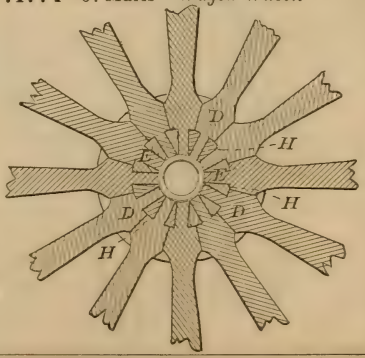
71770—H. Lomb—*Eyeglass and Spectacles.*



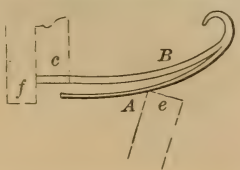
71773—J. W. Maloy—*Pressure Gauge.*



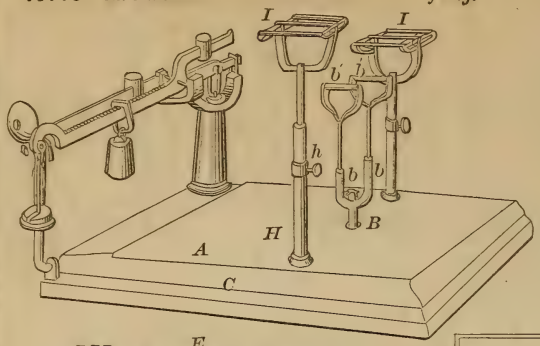
71774—J. Maris—*Wagon Wheel.*

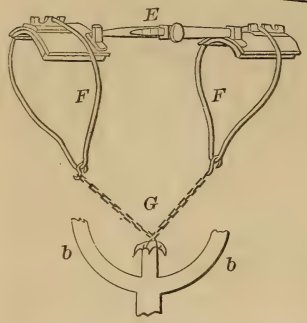


71772—J. J Mackey—*Door Spring.*



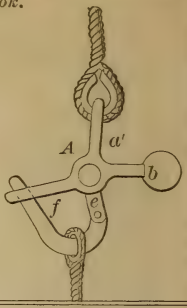
71775—M. Mattson—*For Hand and Yoke Lifting.*



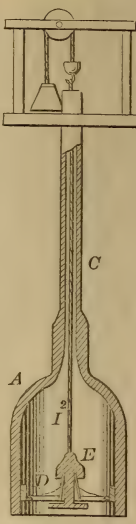


71778—G. W. Miles—*Mosquito Net.*

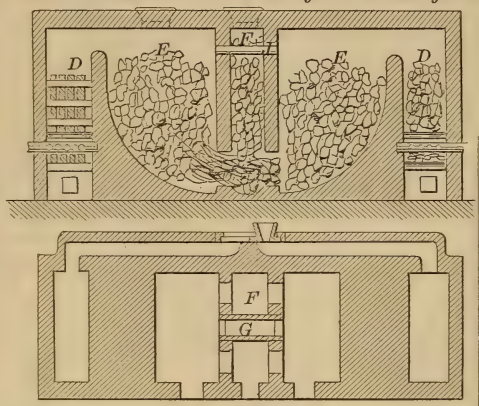
71779—G. J. Neveil—*Retaining and Releasing Hook.*

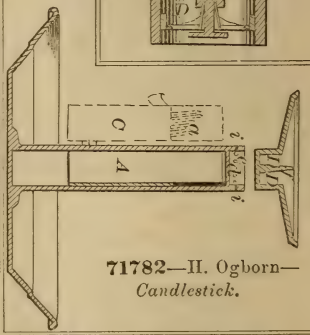


71781—A. Norris—*Water Elevator.*



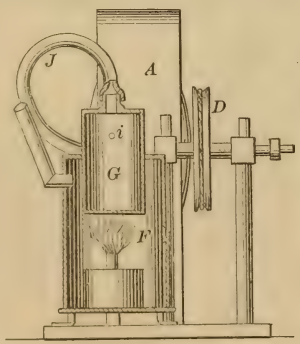
71776—J. Maunton—*For Roasting and Reducing Ores.*



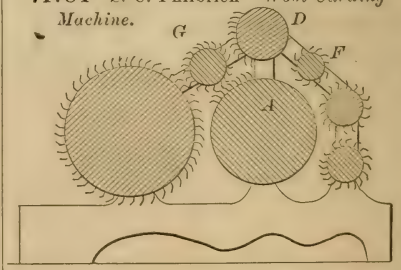


71782—H. Ogborn—*Candlestick.*

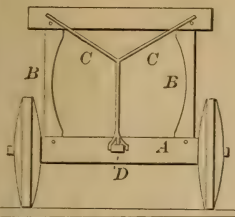
71780—M. V. Nobles—*For Exterminating Vermin.*



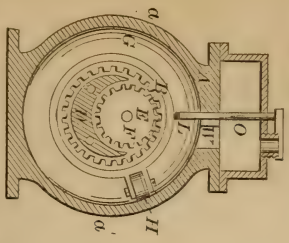
71784—S. C. Philbrick—*Wool Carding Machine.*

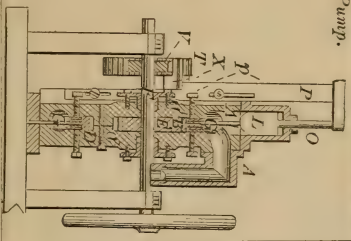


71785—I S. Pigott—*Log Wagon.*

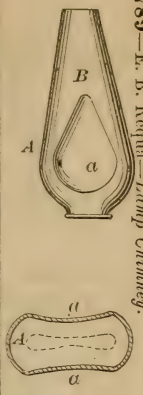


71786—J. Popple—*Rotary Pump.*

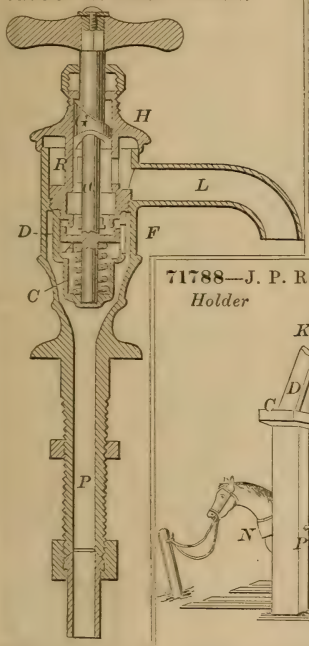




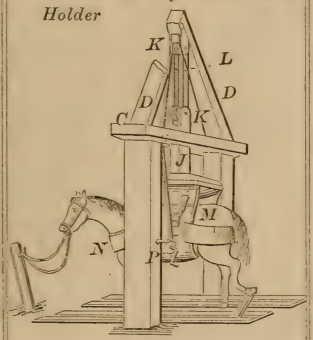
71789—E. B. Requa—*Lamp Chimney.*



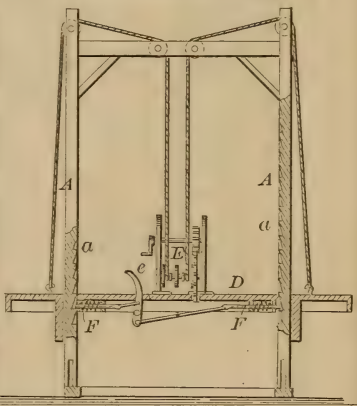
71790—F. Roach—*Faucet.*



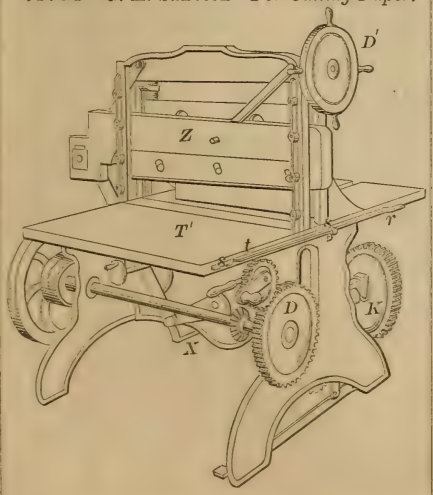
71788—J. P. Reynolds—*Horse Holder*



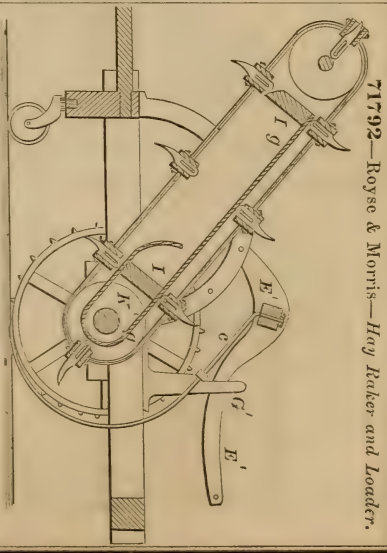
71791—C. Robinson—*Scaffold.*



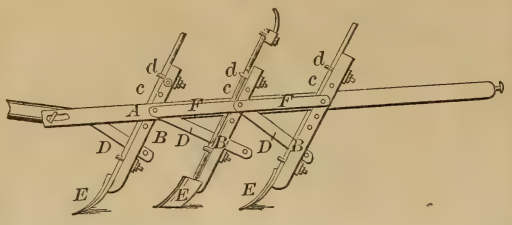
71793—G. H. Sanborn—*For Cutting Paper.*



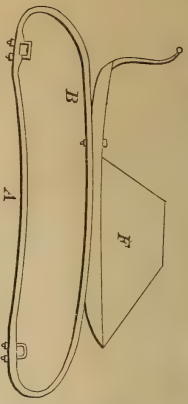
71792—Royse & Morris—*Hay Raker and Loader.*



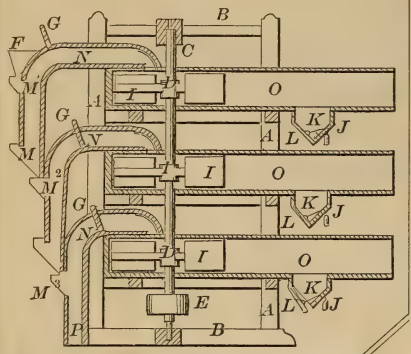
71794—J. W. Sanford—*Cultivator.*



71797—A. Searls—*Wooden Wagon Spring.*

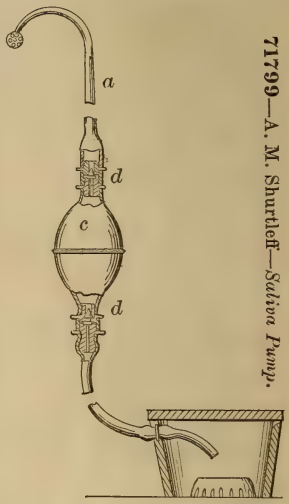


71796—A. Schenck—*Grain Separator.*

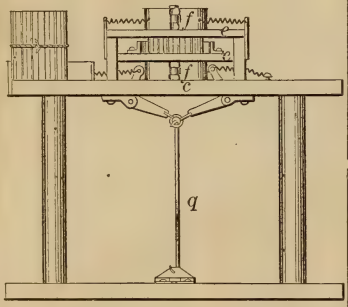


71795—F. G. Sargent—*Tag.*

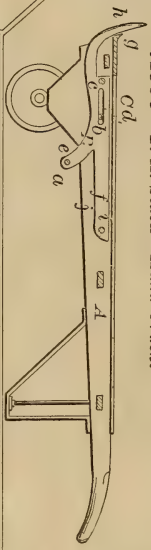
71799—A. M. Shurtleff—*Saliva Pump.*



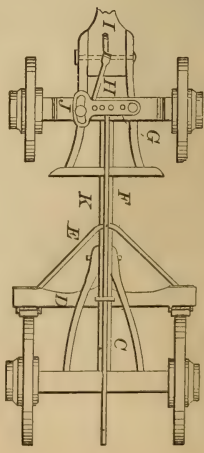
71798—D. D. Sherwood—*For Bundling Wood.*



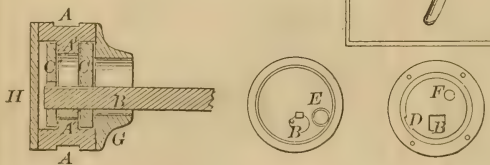
71800—T. A. Stack—*Hand Truck.*



71802—Smith & Desso—*Wagon Brake.*

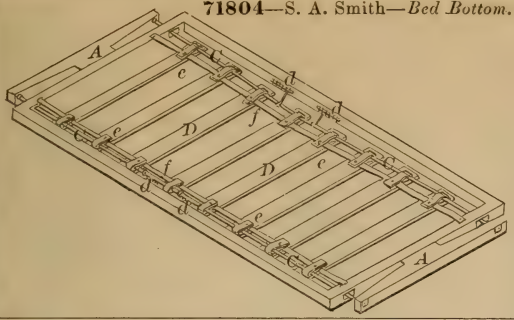


71801—S. W. Slocumb—*Wagon Hub.*

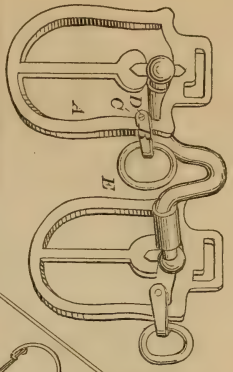


71803—L. F. Smith—*Low Water Indicator.*

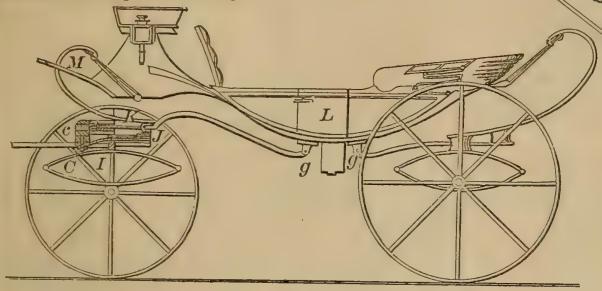
71804—S. A. Smith—*Bed Bottom.*

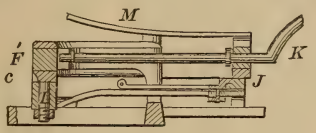


71806—J. Spoonhour—*Bridle Bit.*

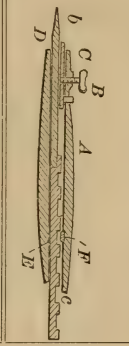


71805—E. Soper—*Carriage.*

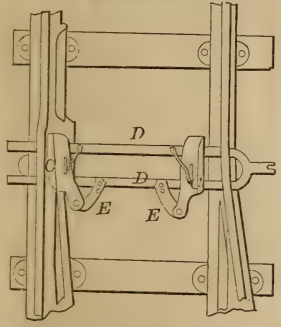




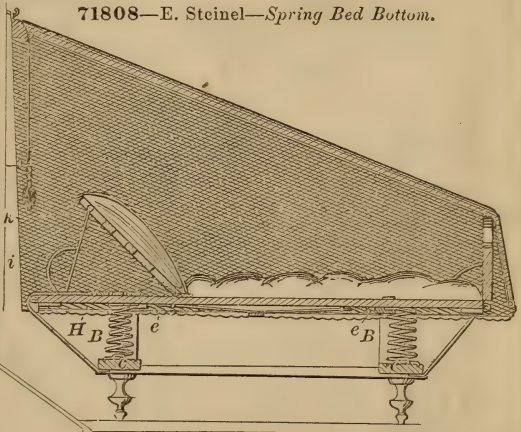
71811—U. Stewart—*Mill Pick.*



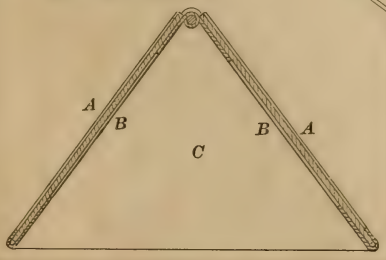
71807—W. H Staats—*Railroad Switch.*



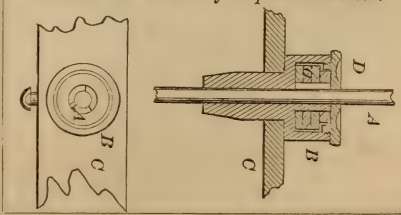
71808—E. Steinel—*Spring Bed Bottom.*



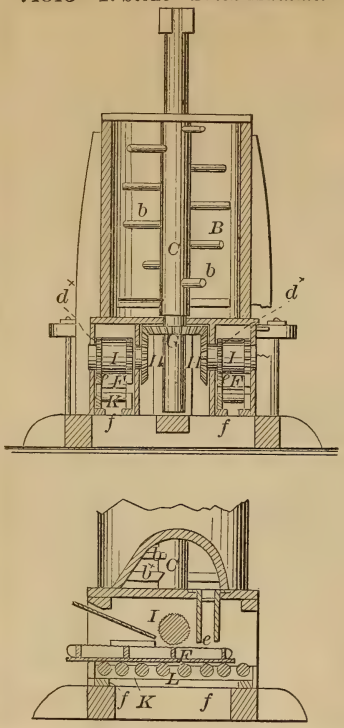
71812—J. St. John—*Folding Glass for Plants, &c.*



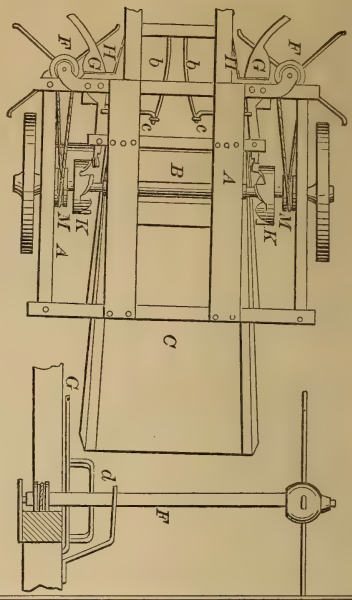
71809—F. A. Sterry—*Spindle Bolster.*



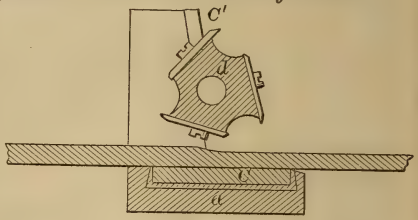
71813—T. Stone—*Brick Machine.*



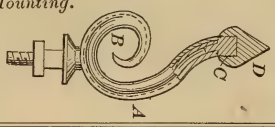
71815—J. B. Sweetland—*Corn Harvester.*



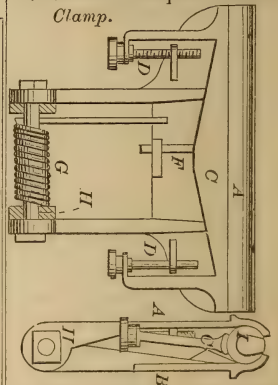
71814—A. & H. Streit—*Planing Machine.*



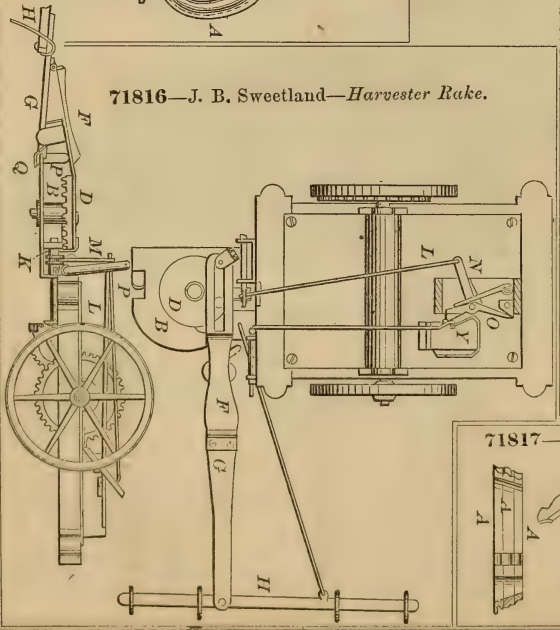
71819—C. M. Theberath—*Harness Mounting.*



71818—J. Temple—*Stitching Clamp.*

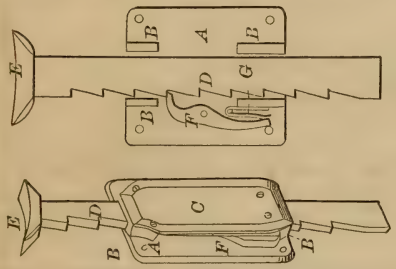


71816—J. B. Sweetland—*Harvester Rake.*

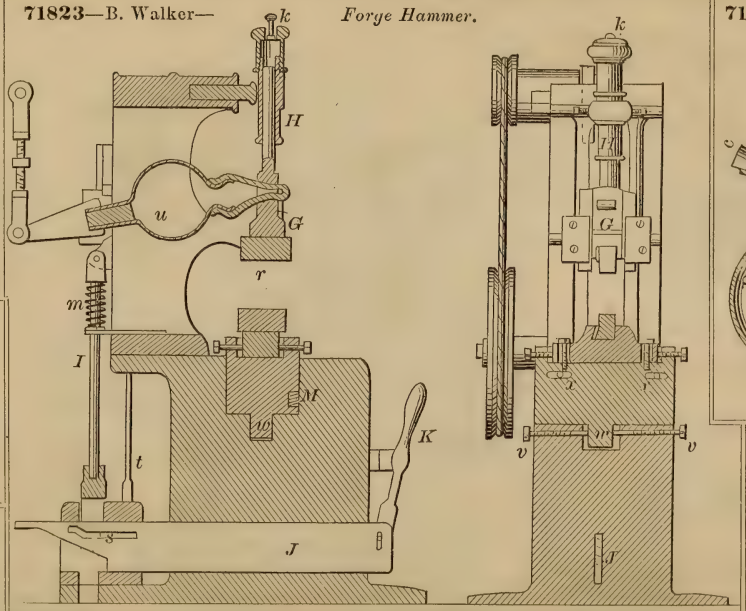


71817—J. Temple—*Cutter Head for Mouldings.*

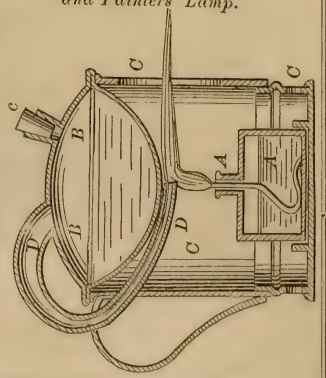
71821—W. T. Thornton—*Seat Fastener.*



71823—B. Walker—*Forge Hammer.*

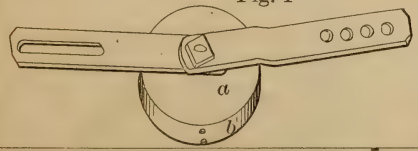


71826—G. Wanier—*Plumbers' and Painters' Lamp.*

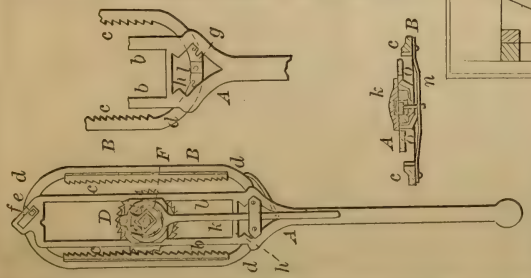


71827—Webster & Baxter—*Plow Wheel.*

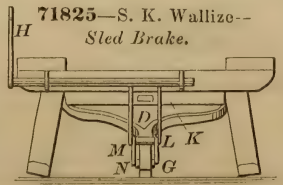
Fig. 1



71820—N Thompson—*For Transmitting Motion.*

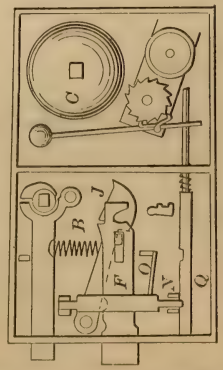


71825—S. K. Wallize—*Sled Brake.*

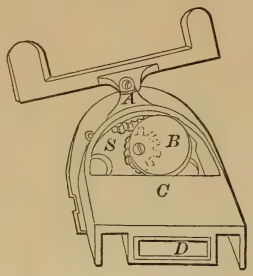


71824—A Wallach—*Safety Hook for Watch Chains.*

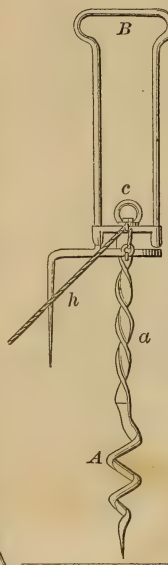
71822—E. Tracy—*Burglar Alarm Door Lock.*



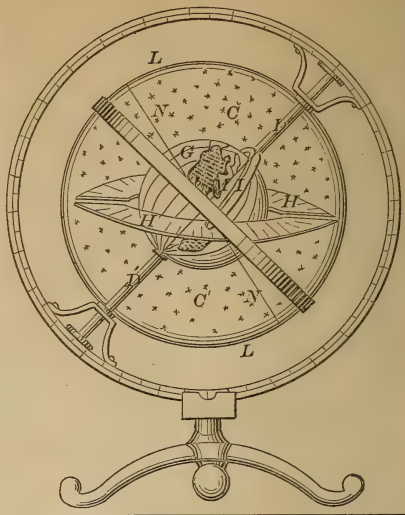
71828—G. Wells—*Door Holder.*



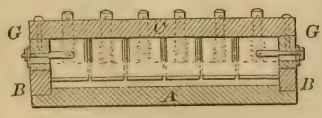
71829—H. Willard—*Horse Hay Fork.*



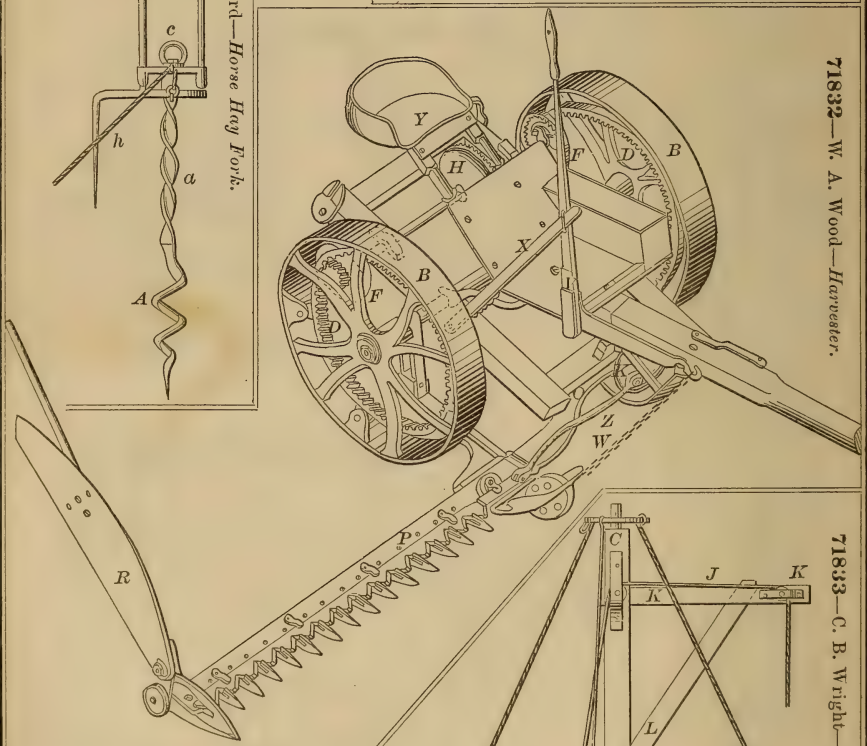
71830—H. Williamson—*Concentric Globes.*



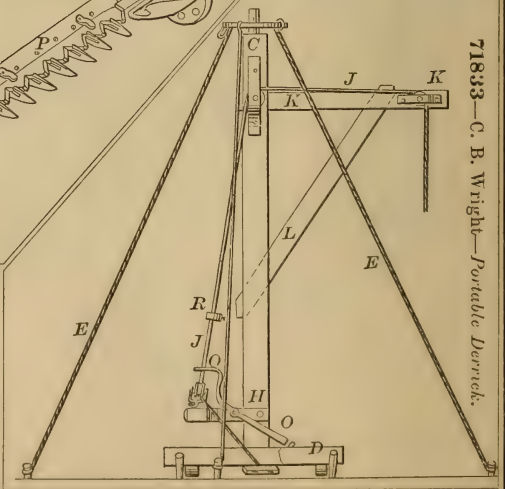
71831—B. Witherell—*Corn Cake Mould.*



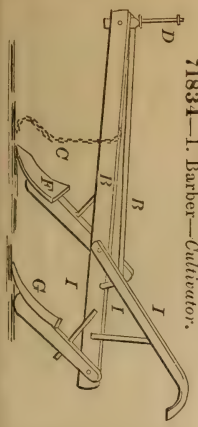
71832—W. A. Wood—*Harvester.*



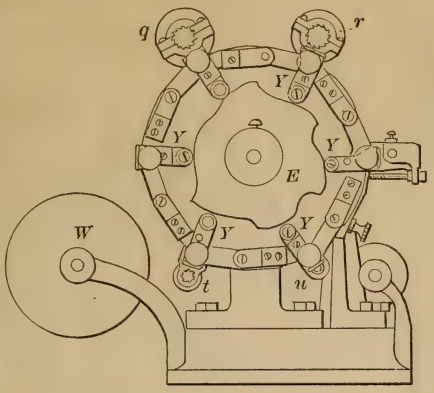
71833—C. B. Wright—*Portable Derrick.*



71834—I. Barber—*Cultivator.*

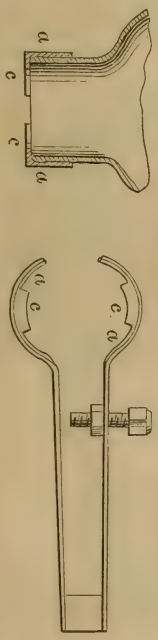


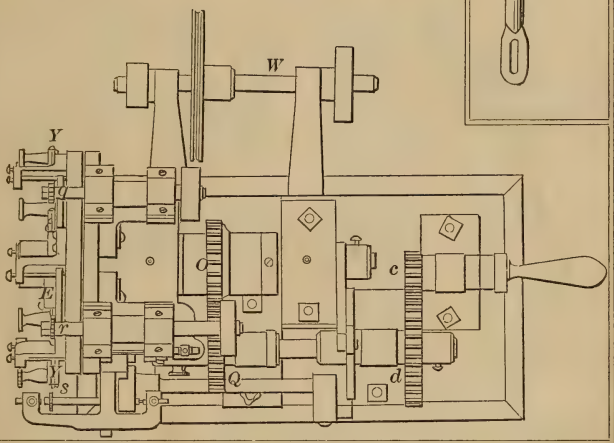
71836—W. Aikin—*For Notching Knitting Needles.*



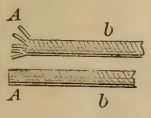
71835—T. S. Judson—*Harness Trace.*

71838—L. J. Atwood—*For Sizing Lamp Chimneys.*

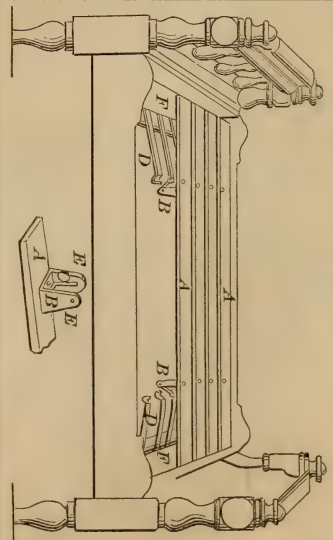




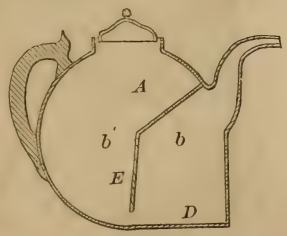
71839—A. Barberin—*For Securing Ends of Wire Rope.*



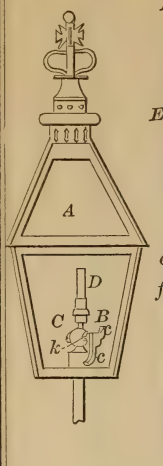
71840—A. B. Baty—*Spring Bed Bottom.*



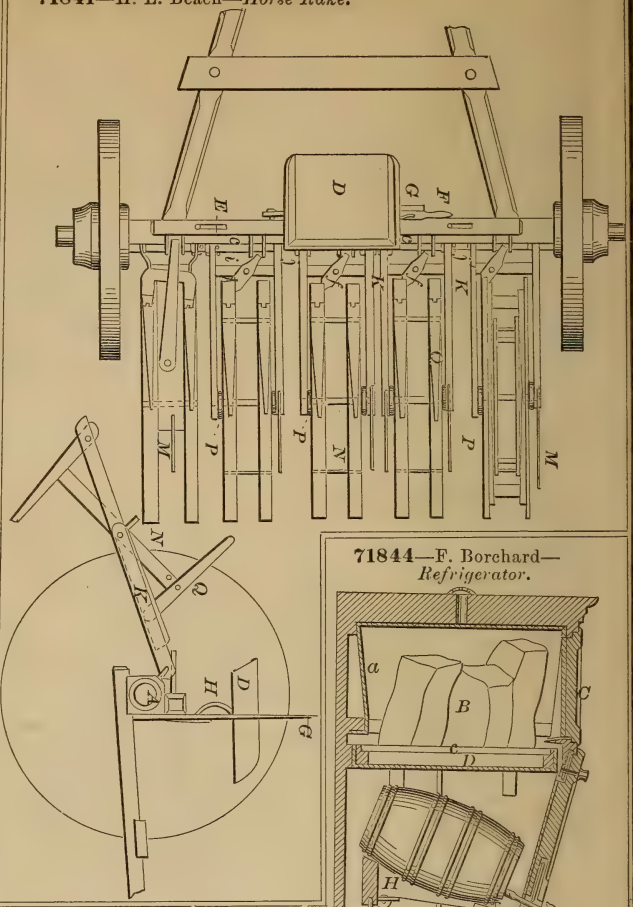
71837—A. Arnold—*Tea and Coffee Pot.*



71842—J. W. Beard—*For Lighting Street Gas Lamps, &c.*

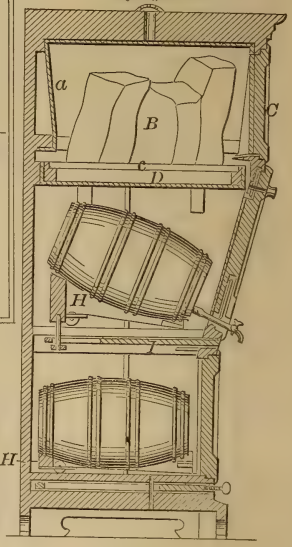


71841—H. L. Beach—*Horse Rake.*

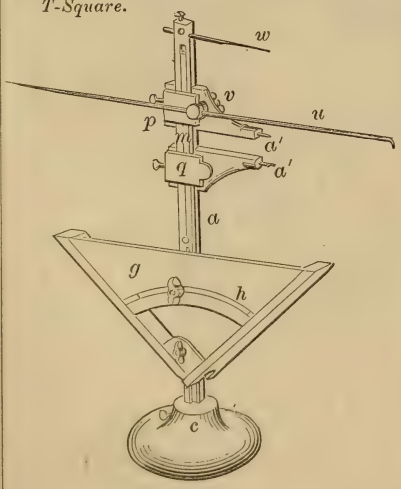


71847—T. C. Bromley—*Scoop.*

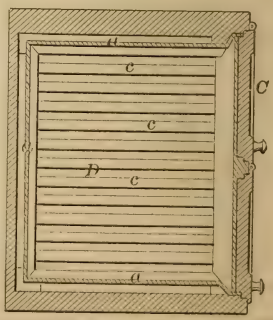
71844—F. Borchard—*Refrigerator.*



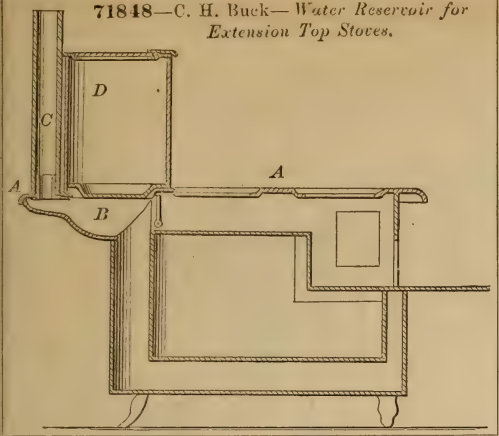
71843—J. Bennor—*Calipers and T-Square.*



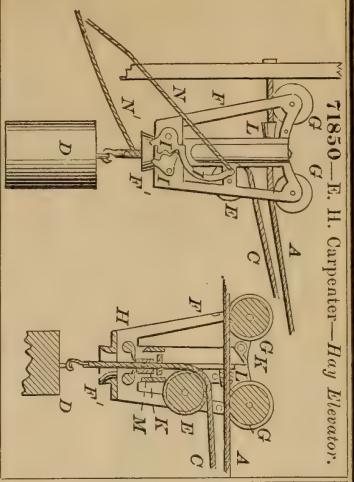
71845—G. Brabrook—*Metal Salver.*



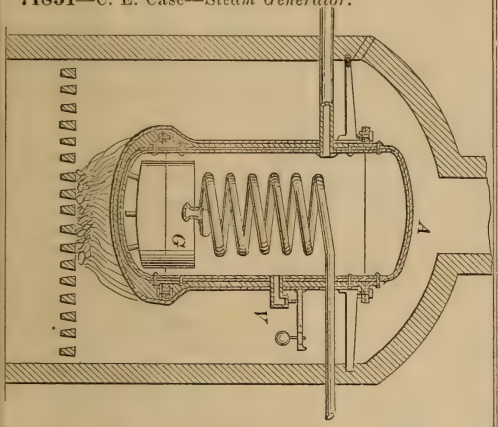
71848—C. H. Buck—*Water Reservoir for Extension Top Stoves.*



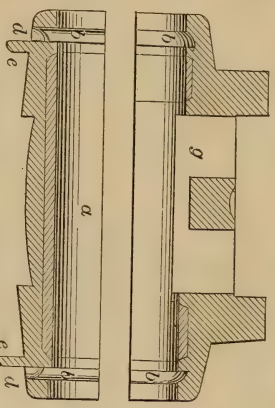
71850—E. H. Carpenter—*Hay Elevator.*



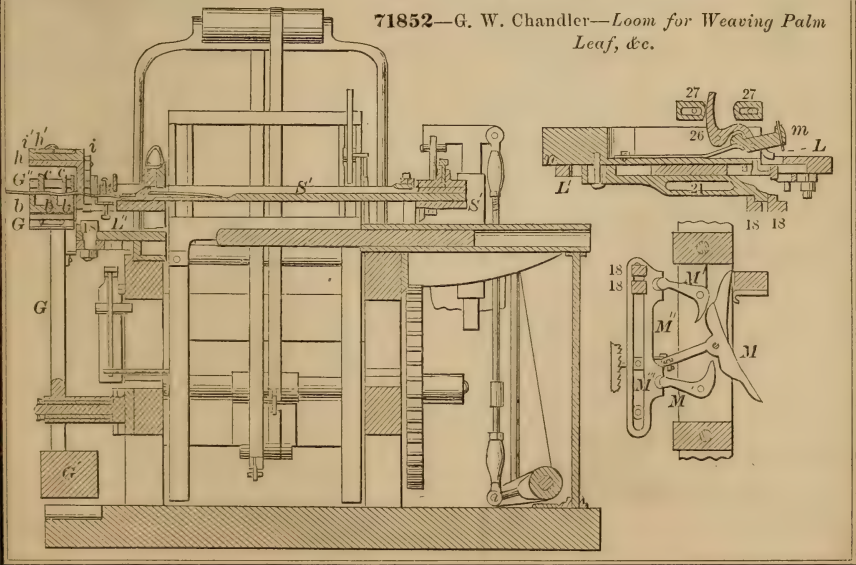
71851—C. E. Case—*Steam Generator.*



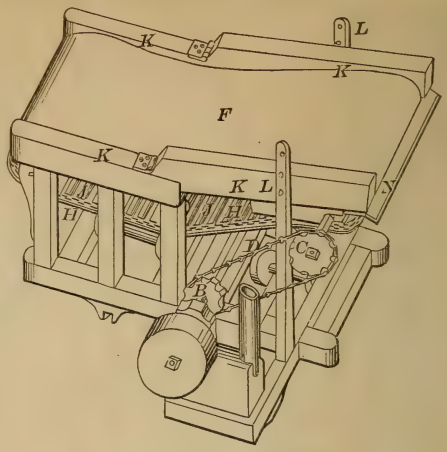
71849—T. F. Burgess—*Journal Box.*



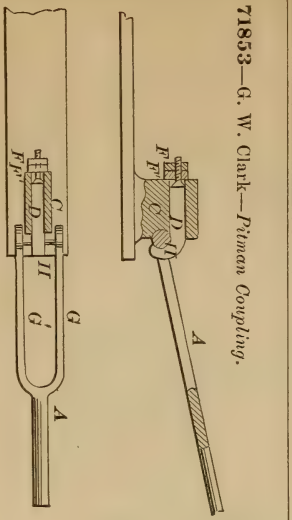
71852—G. W. Chandler—*Loom for Weaving Palm Leaf, &c.*



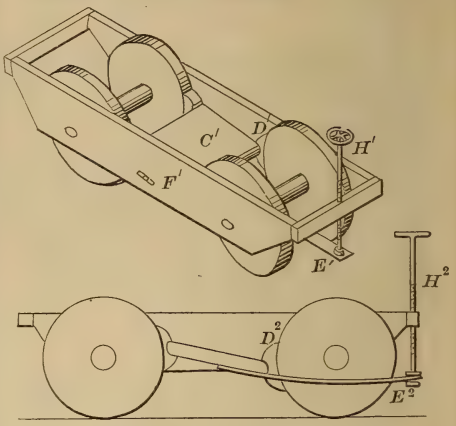
71854—E. Comeaux—*For Making Levees.*



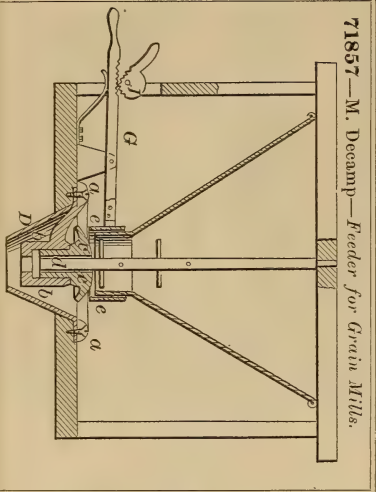
71853—G. W. Clark—*Piman Coupling.*



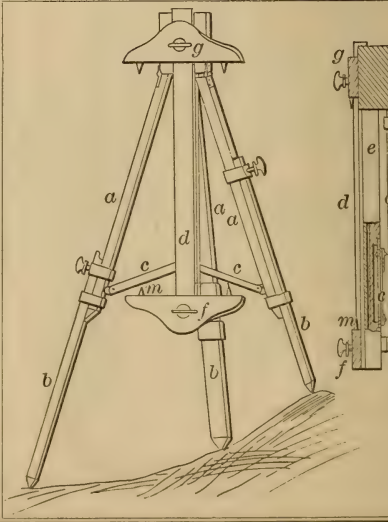
71856—S. Davis—*Car Brake.*



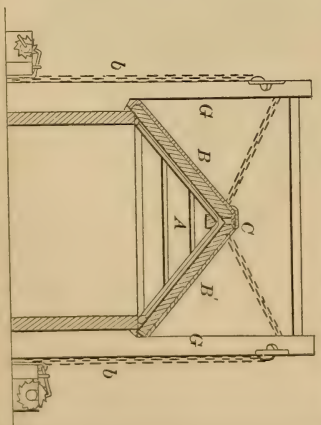
71857—M. Decamp—*Feeder for Grain Mills.*



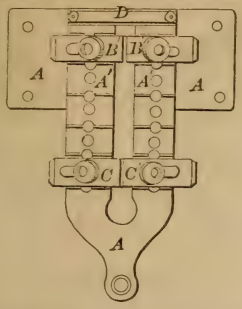
71858—P. Dechause—*Painters' Easel.*



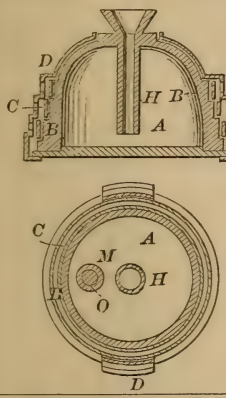
71855—M. Dek. Cutts—*Construction of Roofs.*



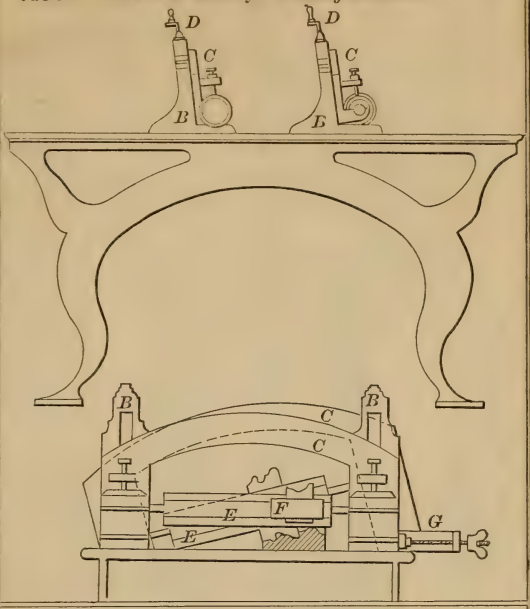
71859—H. P. Dillingham—*Guide for Saws in Saw Mills.*



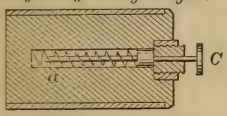
71861—S. R. Dunmer—*Calendar Attachment to Inkstands.*



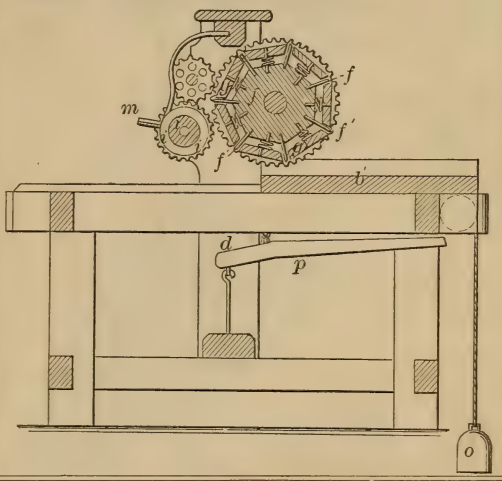
71862—Durkee & Murray—*Planing Machine.*



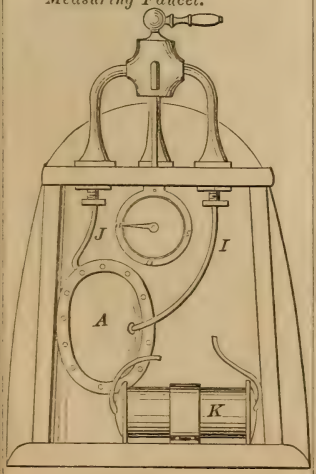
71863—J. M. Fairchild—*Self-Adjusting Relay Magnet.*



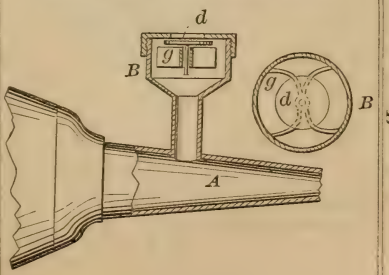
71864—L. Felker—*Corn Cake Cutter.*



71865—E. Fitzgerald—*Measuring Faucet.*

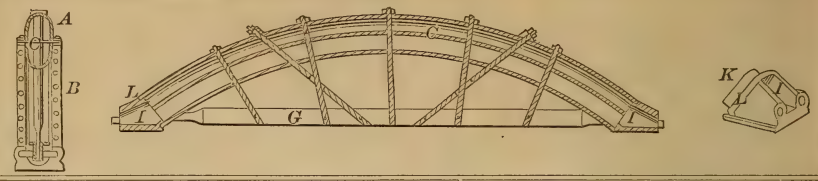


71866—C. C. Forncrook—*Tuyere.*

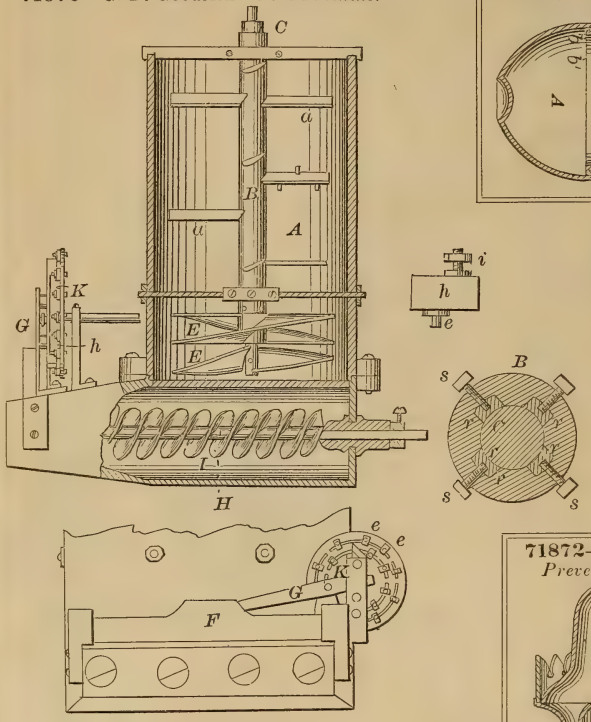


71867—J. H. Fraley—*Cotton Tie.*

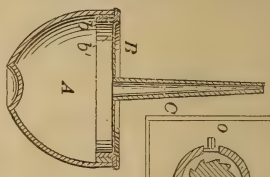
71868—Glass, Schneider & Regner—*Bridge.*



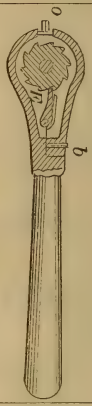
71870—G. D. Goodrich—*Peat Machine.*



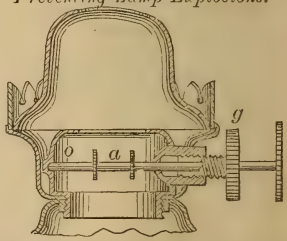
71869—J. H. Gomer—*Oil Cup.*



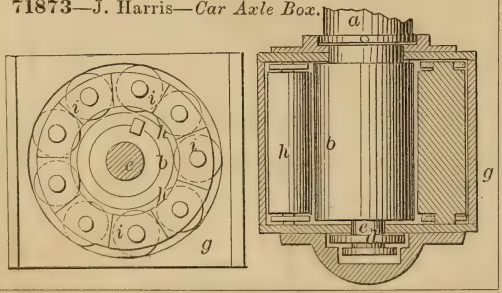
71871—W. M. Gray—*Ratchet Bed Key.*



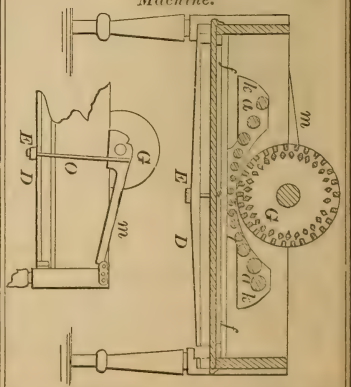
71872—C. P. Grosvenor—*Preventing Lamp Explosions.*



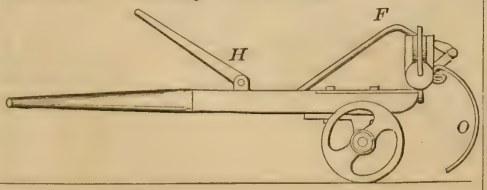
71873—J. Harris—*Car Axle Box.*



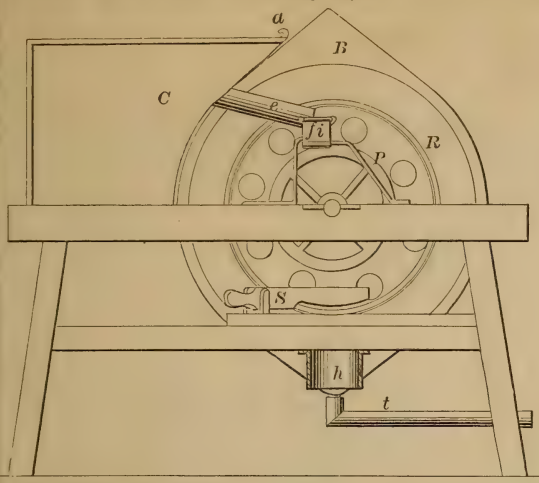
71874—J. H. Haskell—*Washing Machine.*



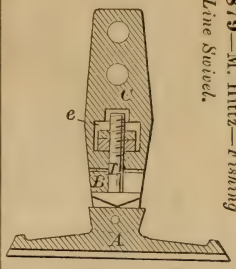
71875—J. V. Hawkey—*Horse Rake.*



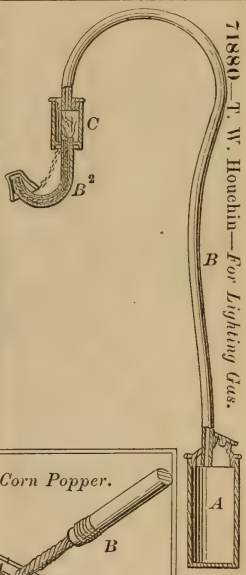
71876—J. B. Hill—*For Draining Sugar.*



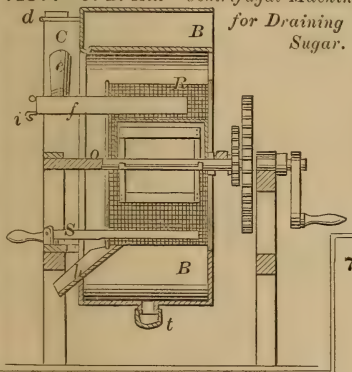
71879—M. Hittz—*Fishing Line Swivel.*



71880—T. W. Houchin—*For Lighting Gas.*

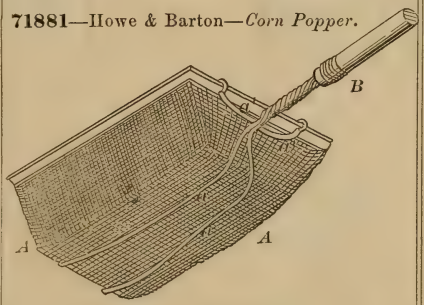


71877—J. B. Hill—*Centrifugal Machine for Draining Sugar.*

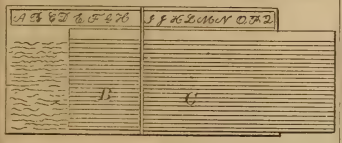


71878—S. L. Hill—*Card Holder.*

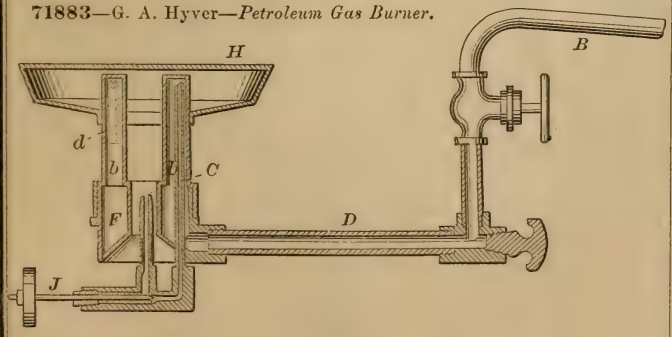
71881—Howe & Barton—*Corn Popper.*



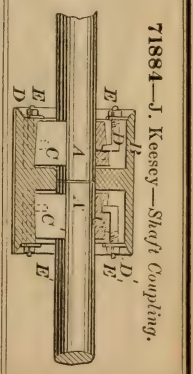
71882—B. G Howes—*Copy Book.*



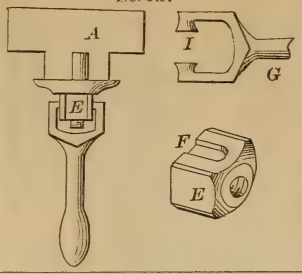
71883—G. A. Hyver—*Petroleum Gas Burner.*



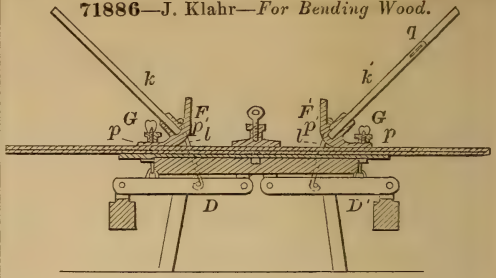
71884—J. Keesey—*Shaft Coupling.*



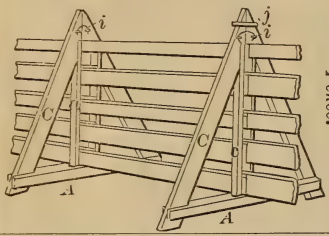
71885—C. L. Kingsley—*Clamp Screw.*

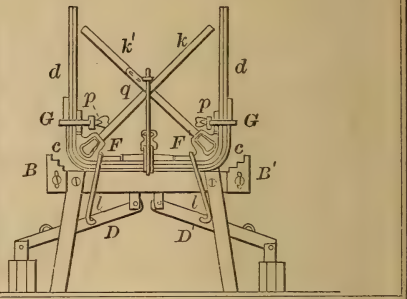


71886—J. Klahr—*For Bending Wood.*

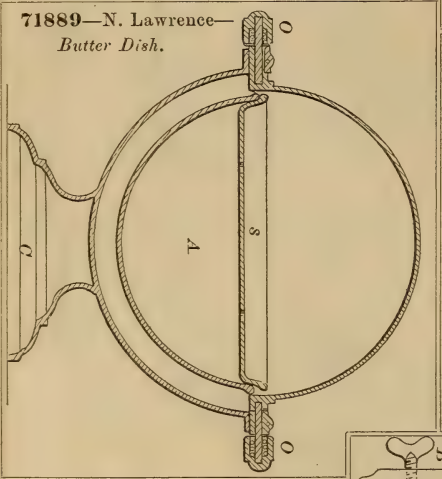


71888—I. Lackey—*Fence.*

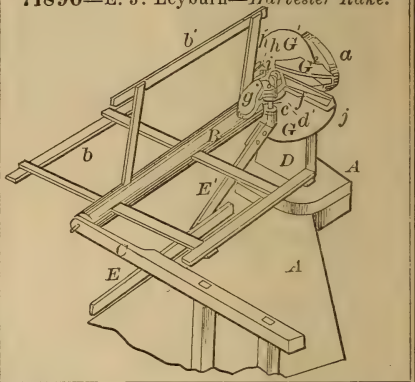




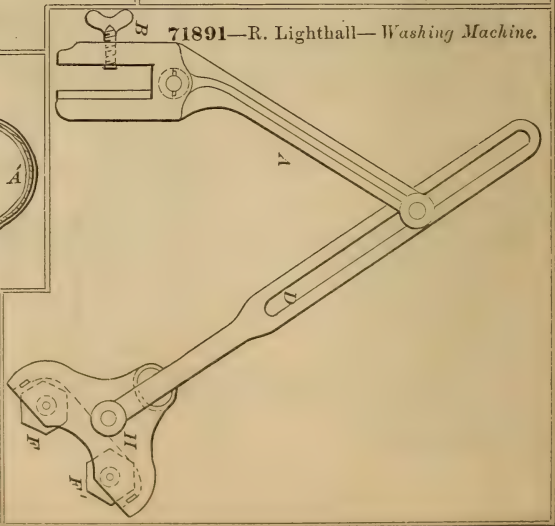
71889—N. Lawrence—*Butter Dish.*



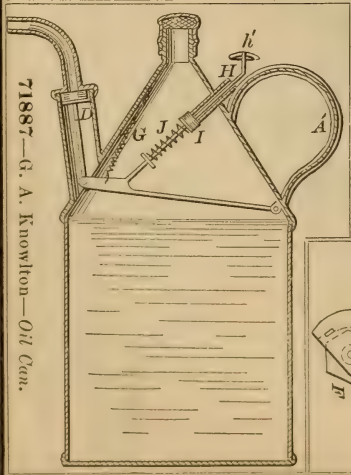
71890—E. J. Leyburn—*Harvester Rake.*



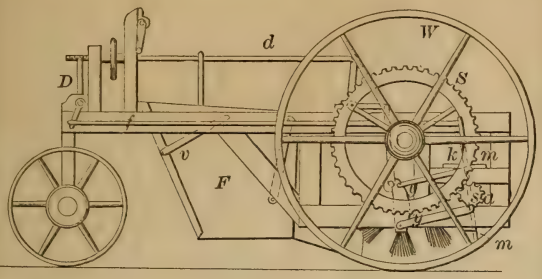
71891—R. Lighthall—*Washing Machine.*

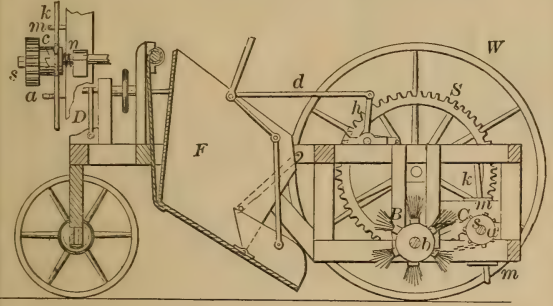


71887—G. A. Knowlton—*Oil Can.*

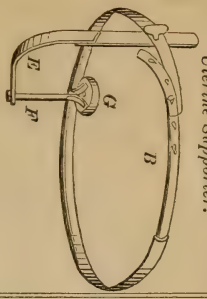


71894—McConnell & Pringle—*Street Sweeper.*

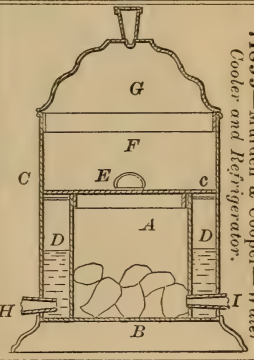




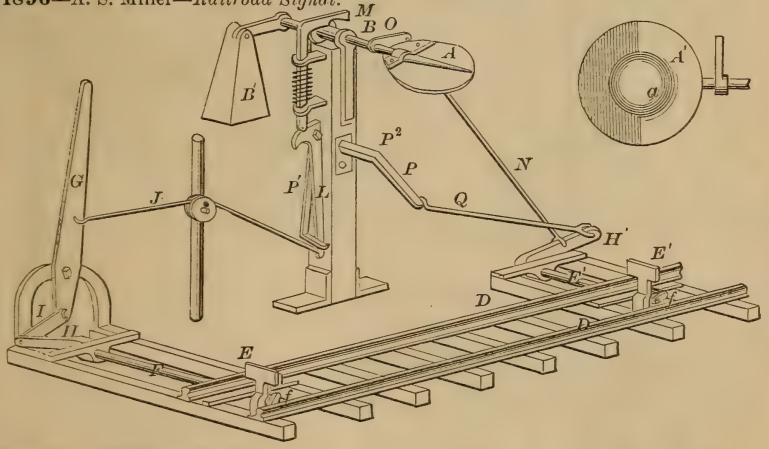
71895—F. Meriwether—*Uterine Supporter.*



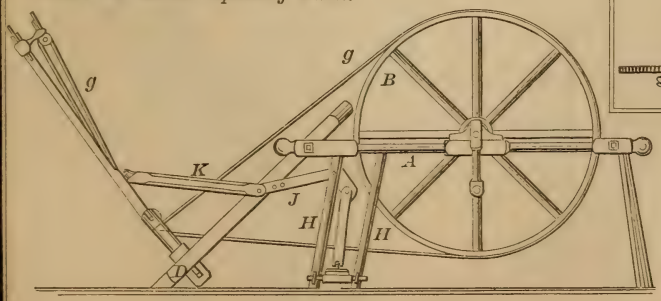
71899—Murdon & Cooper—*Water Cooler and Refrigerator.*



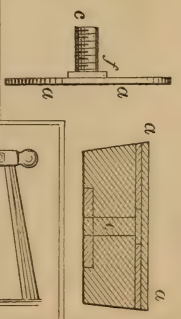
71896—A. S. Miller—*Railroad Signal.*



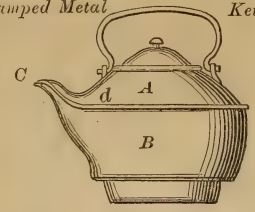
71897—H. Miller—*Spinning Wheel.*



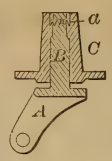
71898—C. Mole—*Boot and Shoe.*



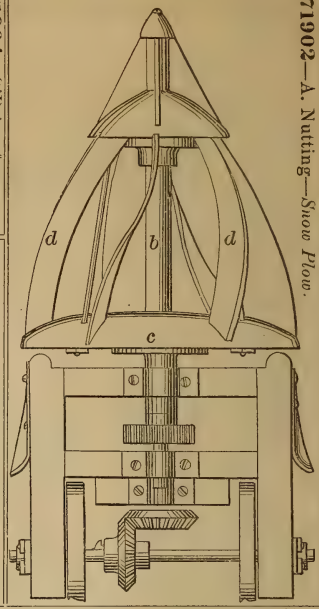
71900—F. G. & W. F. Niedringhaus—*Stamped Metal Kettle.*



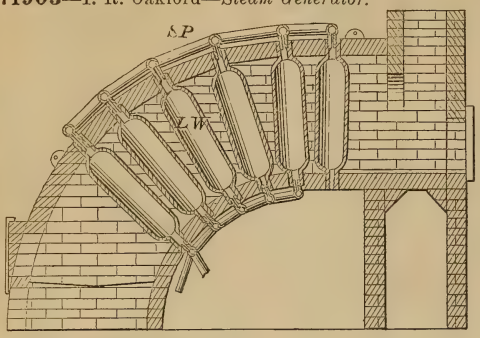
71904—O'Brien & Sparks—*Furniture Caster.*



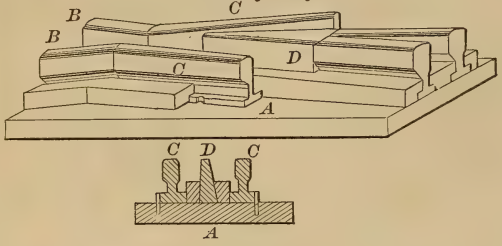
71902—A. Nutting—*Snow Plow.*



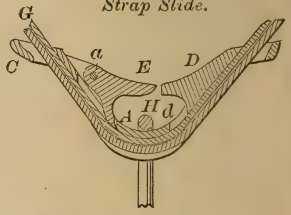
71903—I. R. Oakford—*Steam Generator.*



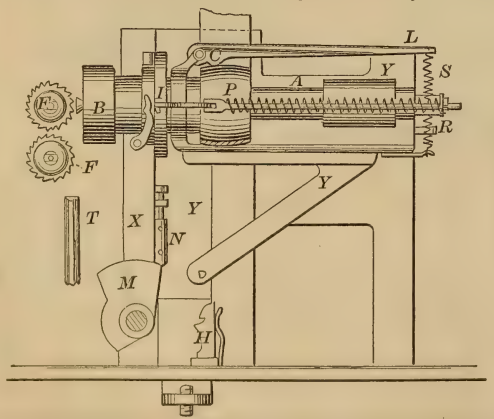
71905—S. N. Park—*Railway Frog.*



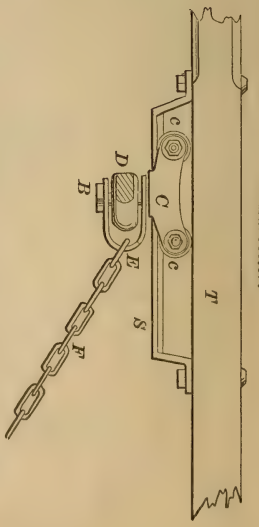
71901—O. B. North—*Breast Strap Slide.*



71908—E. S. Pierce—*For Shaving and Slotting Screws.*

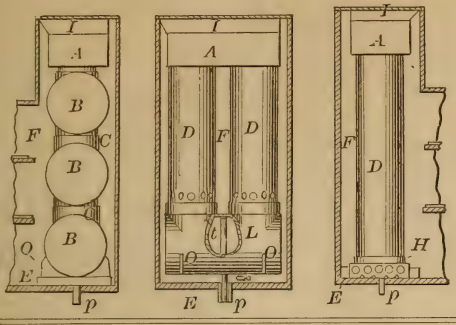


71906—H. W. Pell—*Harvester.*

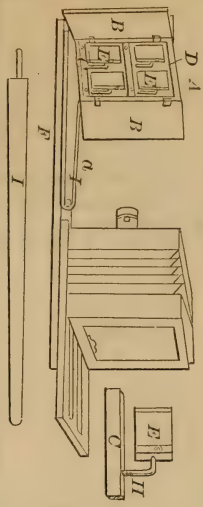


71909—E. S. Pierce—*Double Screw.*

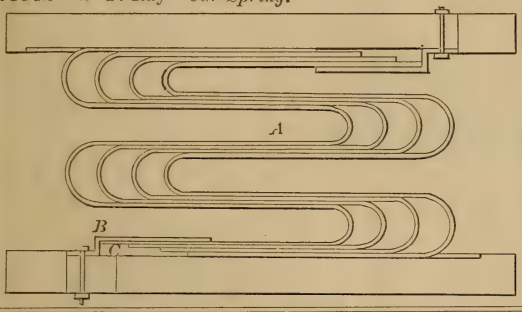
71910—C. F. Pike—*For Preserving Perishable Articles.*



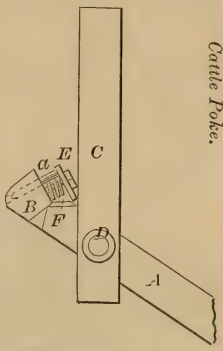
71911—D. W. S. Rawson—*Reflector for Photographic Cameras.*



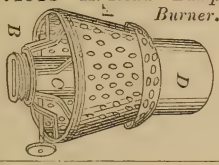
71912—W F. Ray—*Car Spring.*



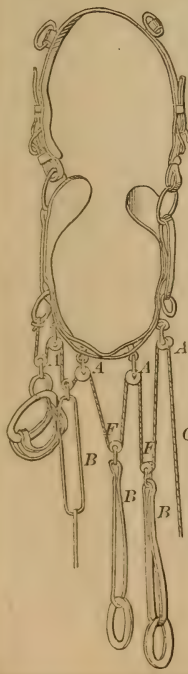
71916—N. Silvester—*Horse and Cattle Poke.*



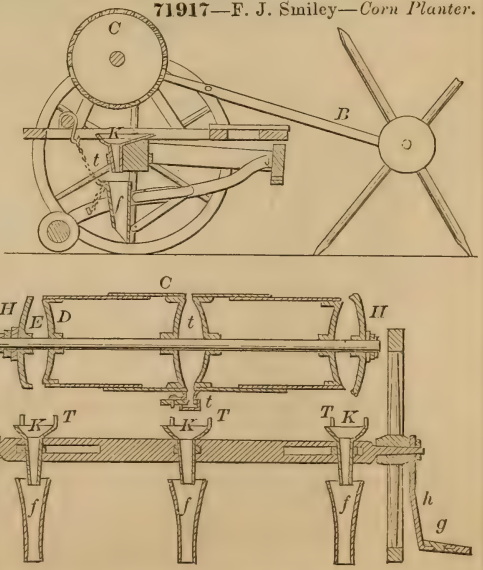
71913—H. Read—*Lamp Burner.*



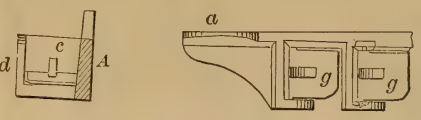
71914—P. B. Sanderson—*For Taming Animals.*



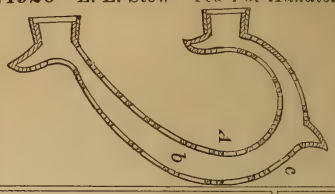
71917—F. J. Smiley—*Corn Planter.*



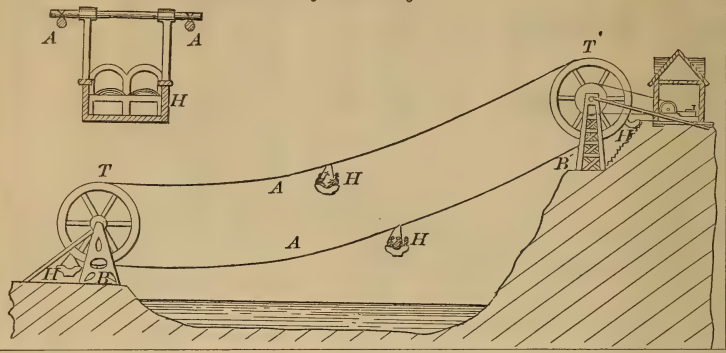
71918—C. A. Smith—*Whip Rack.*



71920—E. E. Stow—*Tea Pot Handle.*

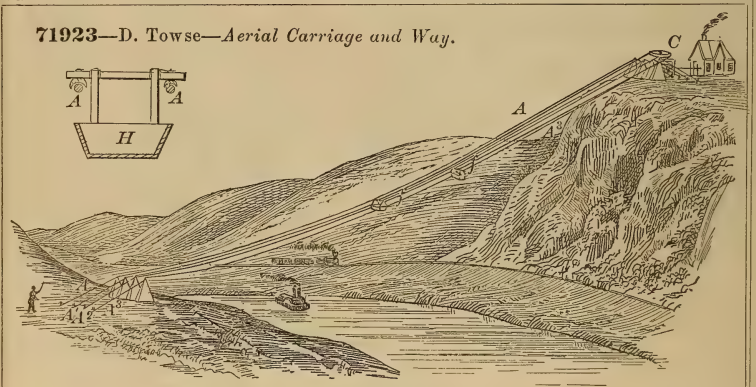


71921—D. Towse—*Aerial Carriage and Way.*

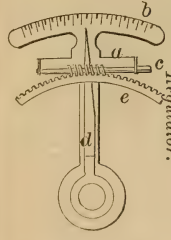


71922—D. Towse—*Aerial Carriage and Way.*

71923—D. Towse—*Aerial Carriage and Way.*

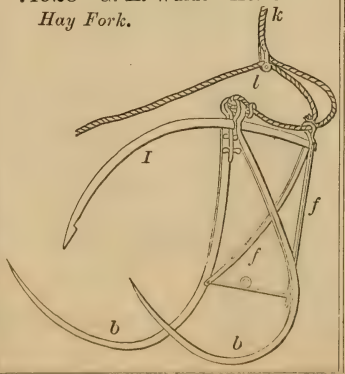


71924—W. B. Tucker—*Watch Regulator.*

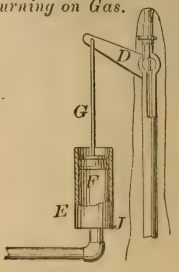


71925—J. A. Veazie—*Billiard Billiard Cue Tip.*

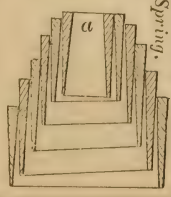
71928—G. H. Waldo—*Horse Hay Fork.*



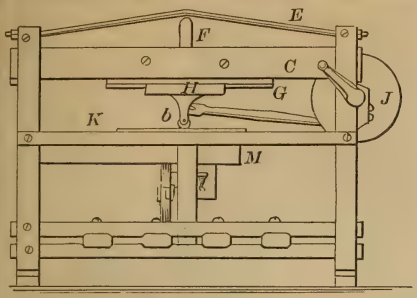
71927—W. P. Wage—*For Turning on Gas.*

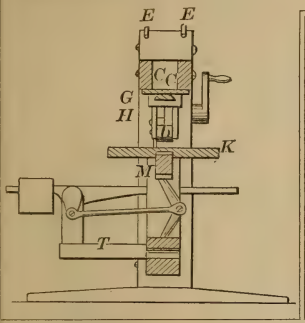


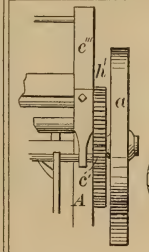
71926—R. Vose—*Car Spring.*

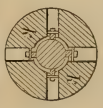


71929—J. H. Walker—*For Rolling Leather.*

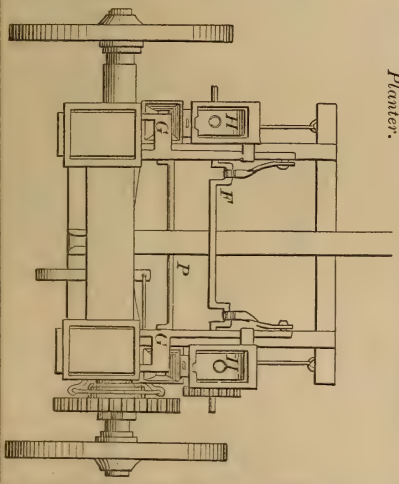




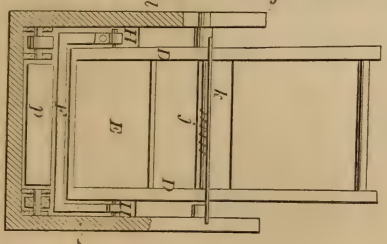




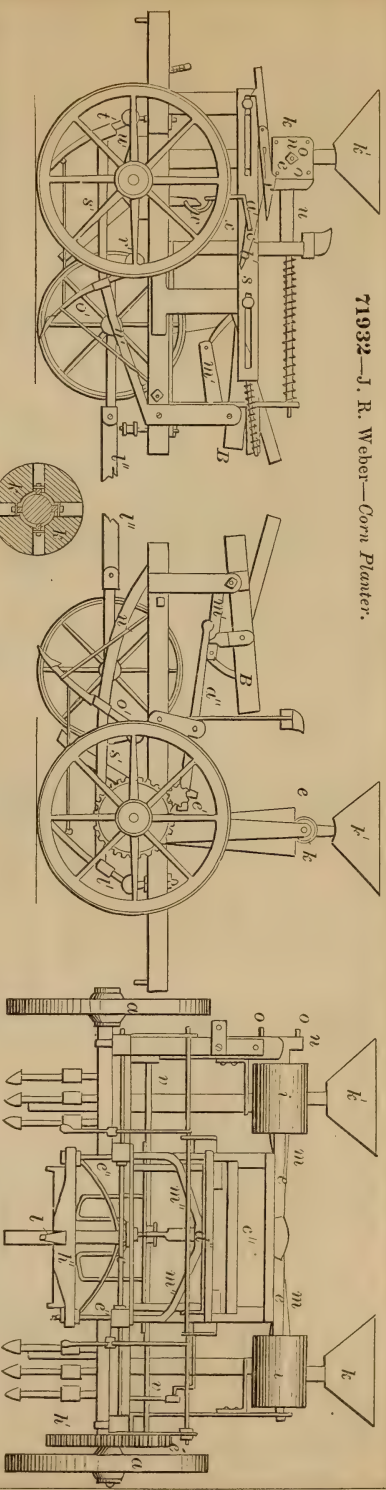
71930—S. H. Wallize—*Fertilizer and Corn Planter.*



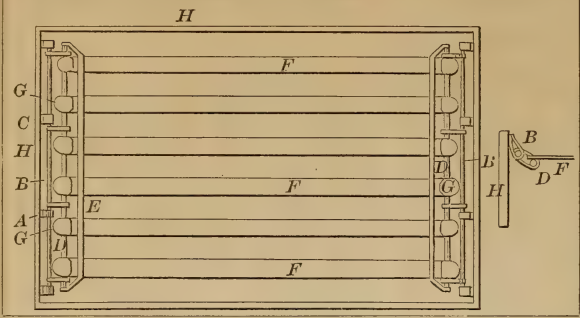
71931—D. T. Ward—*Washing Machine.*



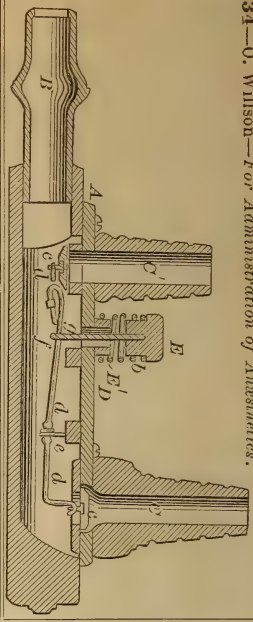
71932—J. R. Weber—*Corn Planter.*



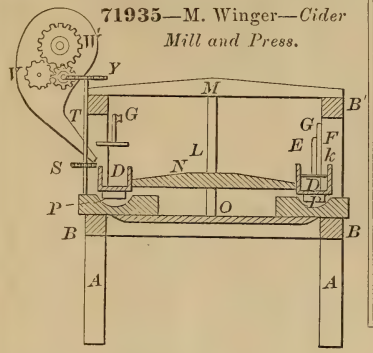
71933—D. S. Williams—*Bed Bottom.*



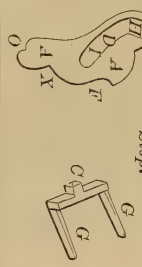
71934—O. Willson—*For Administration of Anæsthetics.*

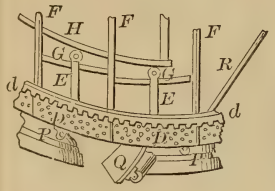


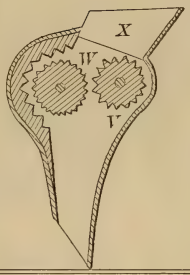
71935—M. Winger—*Cider Mill and Press.*



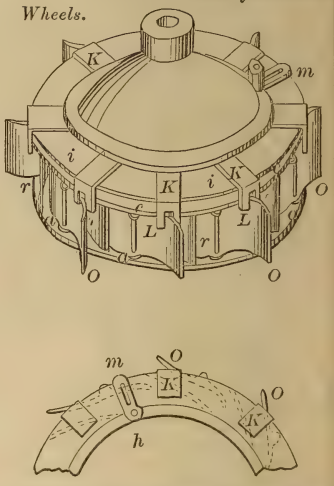
71938—O. E. Woodbury—*Sash Stop.*



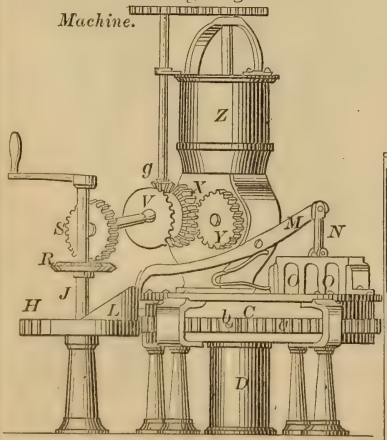




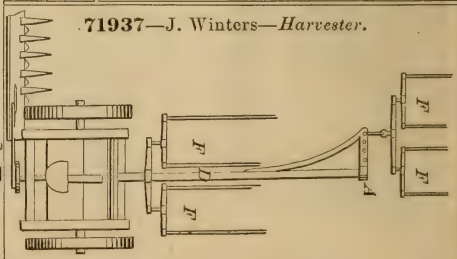
71936—A. Winton—*Curb for Water Wheels.*



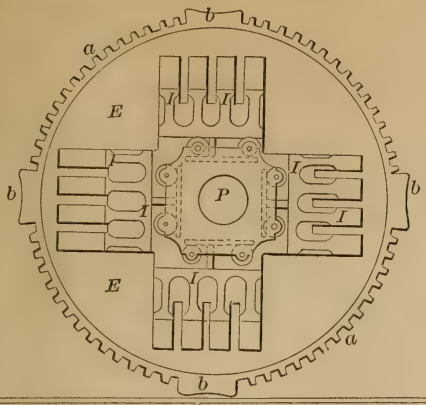
71939—C. D. Wrightington—*Peat and Brick Machine.*



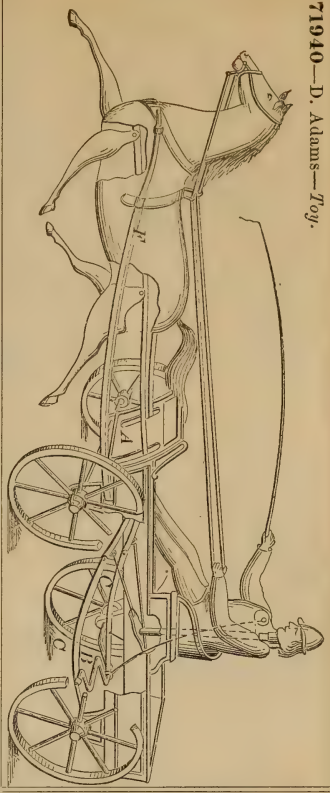
71937—J. Winters—*Harvester.*



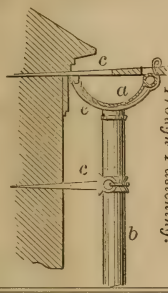
71939—*Continued.*



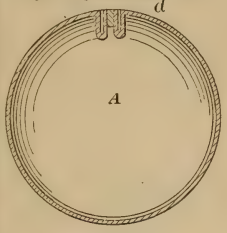
71940—D. Adams—*Toy.*



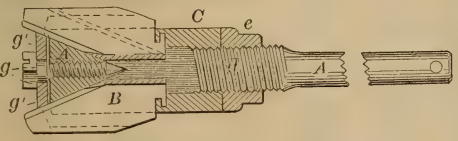
71941—P. Ahn—*Eaves Trough Fastening.*



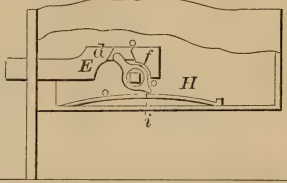
71942—F. A. Alden—*Inflating Rubber Ball.*



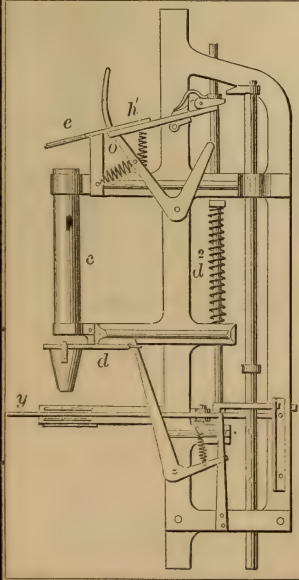
71943—C. Allardice—*Reamer.*



71944—W. H. Andrews—*Bolt Attachment to Door Locks.*

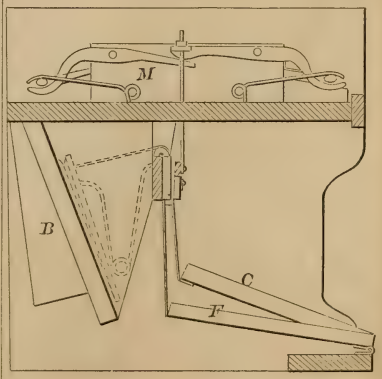


71945—I. Angell—*For Preventing Pulu Leaf to Looms.*

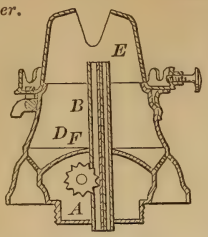


71946—W. Arrowquier—*Blackboard for Schools.*

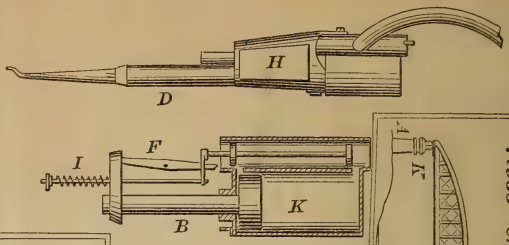
71947—C. E. Bacon—*Operating Swell in Melodeons.*



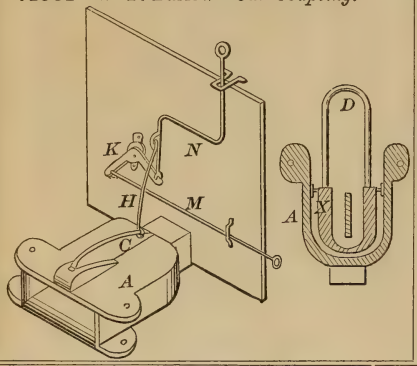
71949—G. E. Baldwin—*Lamp Burner.*



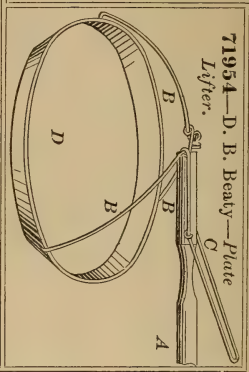
71950—Bannister & Green—*Automatic Tooth Plugger.*



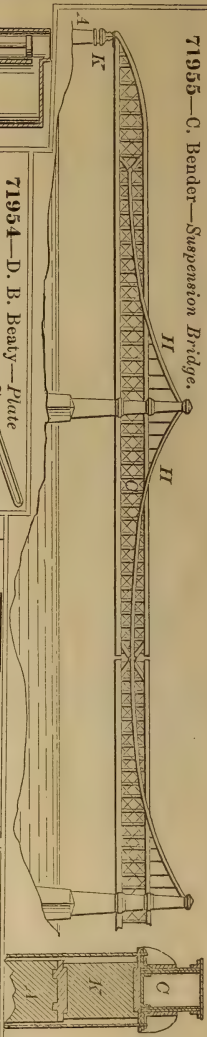
71951—W F. Barlow—*Car Coupling.*



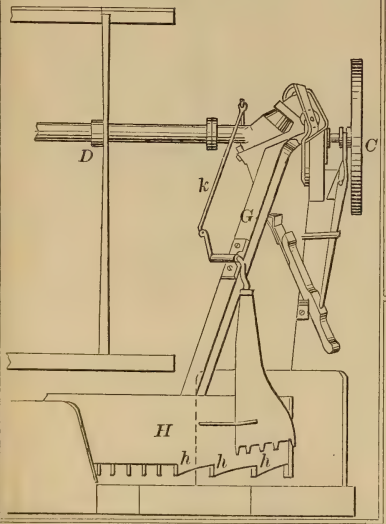
71954—D. B. Beaty—*Plate Lifter.*



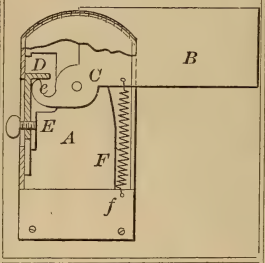
71955—C. Bender—*Suspension Bridge.*

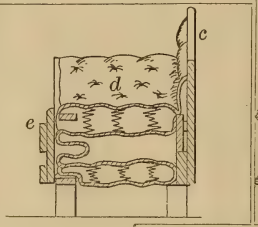


71952—J. Barnes—*Harvester Rake.*

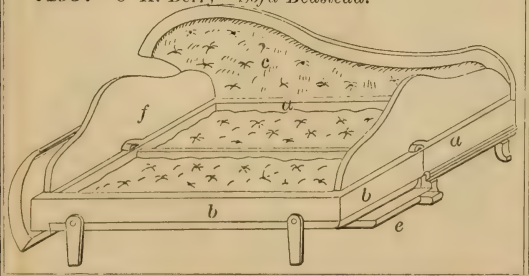


71953—S. N. Batchelder—*Try Square and Bevel.*

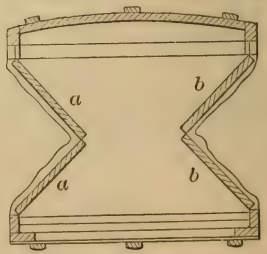




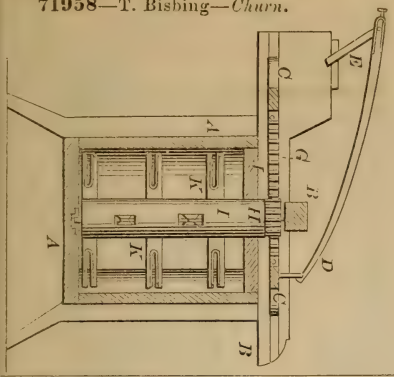
71957—C H. Berry—*Sofa Bedstead.*



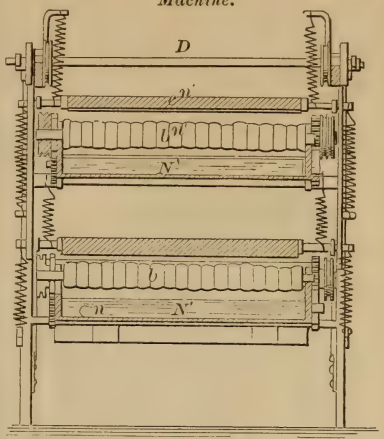
71956—O. K. Bernbaum—*Trunk.*



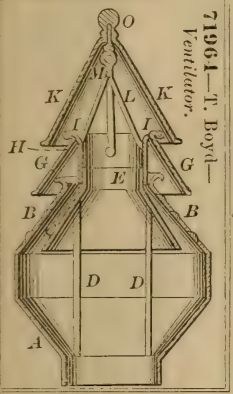
71958—T. Bisbing—*Churn.*



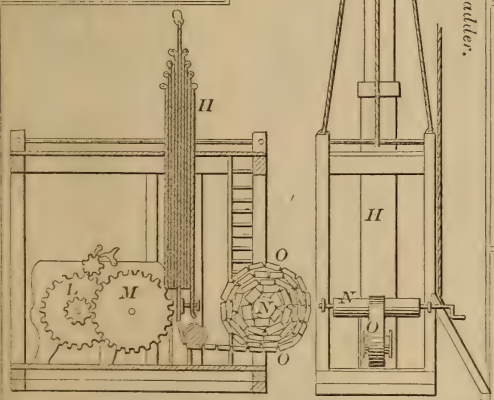
71959—J. W. Blackham—*Hat Felting Machine.*



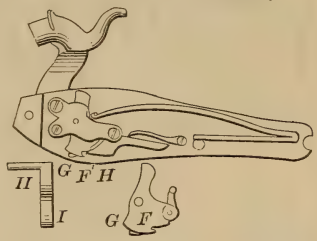
71961—T. Boyd—*Ventilator.*



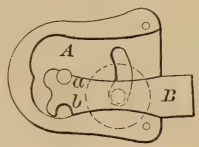
71962—J. Blomgren—*Fire Ladder.*



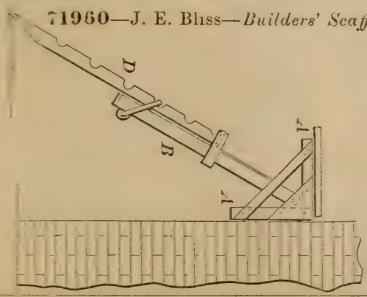
71963—C. Bowlen—*Gun Lock.*



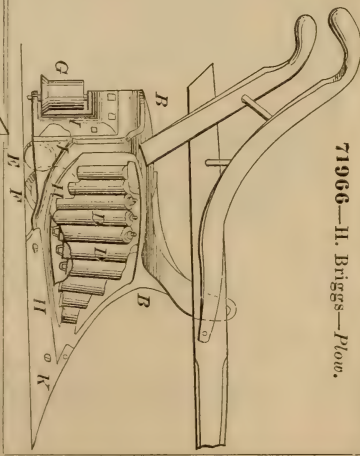
71965—P. Bradford—*Door Latch.*



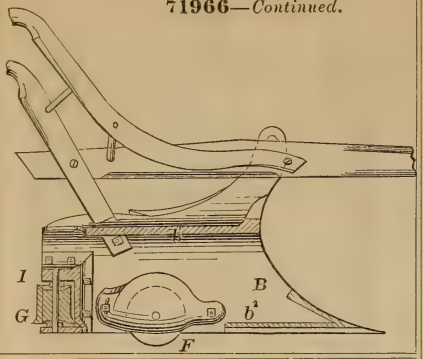
71960—J. E. Bliss—*Builders' Scaffold.*



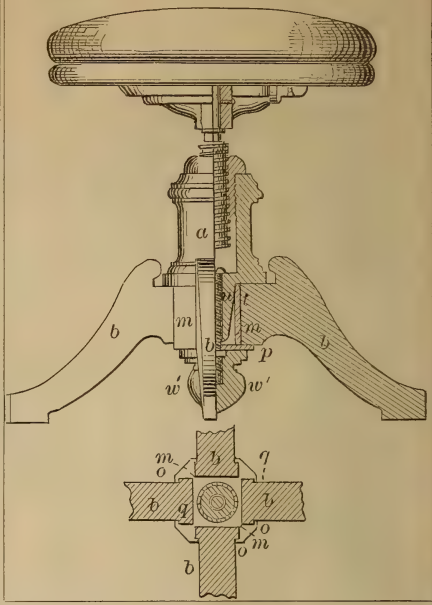
71966—H. Briggs—*Plow.*



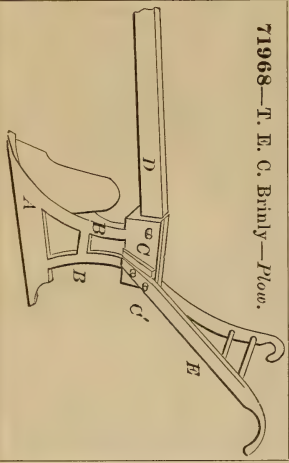
71966—*Continued.*



71967—J. Briggs—*Piano Stool.*

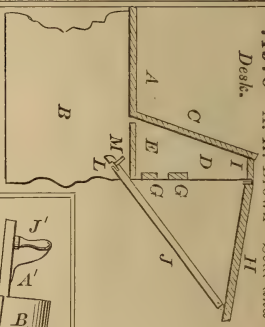


71968—T. E. C. Brinly—*Plow.*

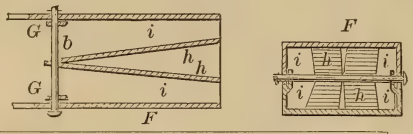


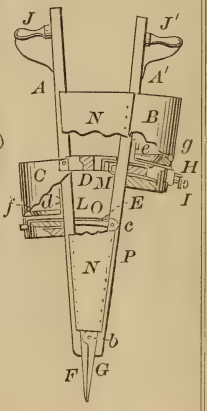
71969—S. P. Brooks—*Shovel and Sifter.*

71970—A. H. Brown—*Seat and Desk.*

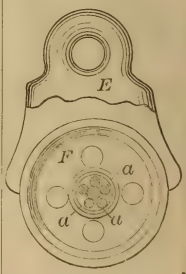


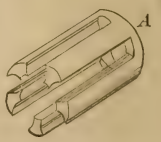
71972—M. S. Burdick—*Seed Planter.*



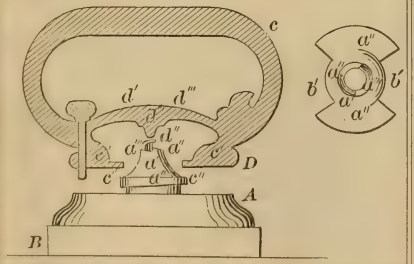


71973—J. A. Burwak—*Pulley Block.*

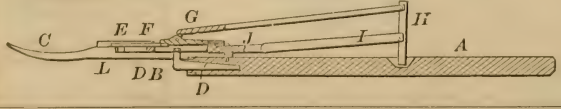




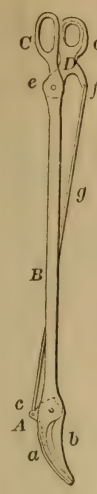
71974—Butterfield & Read—*Sad Iron.*



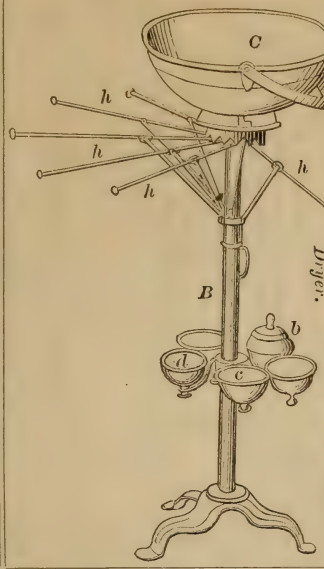
71971—E. G. Bullis—*Grain Fork.*



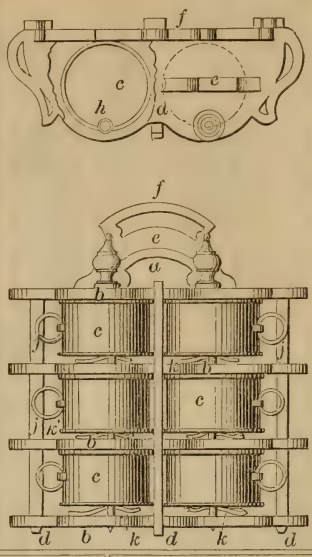
71975—S. P. Carpenter—*Pruning Shears.*



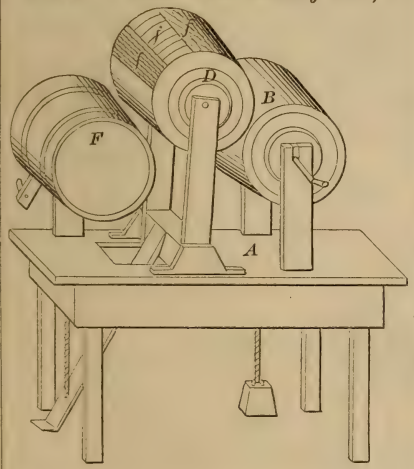
71976—F. H. Carrier—*Wash Stand and Clothes Dryer.*



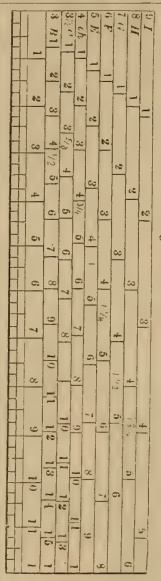
71977—Carter & Park—*Spice Case.*



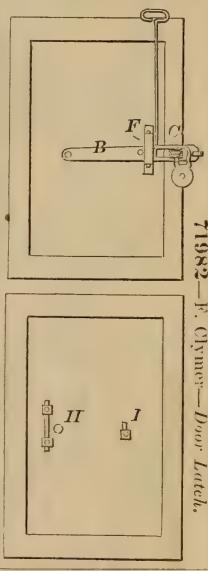
71978—J. Carter—*For Graining Pails, &c.*



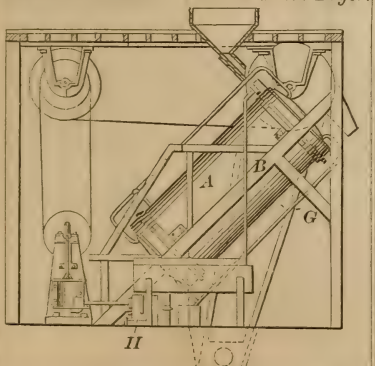
71979—T. Carter—*Sawyers' Rule.*



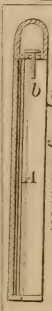
71982—F. Clymer—*Door Latch.*



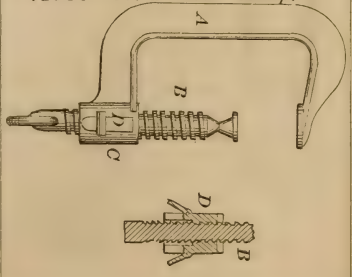
71981—G. Clark—*Vacuum Grain Dryer.*



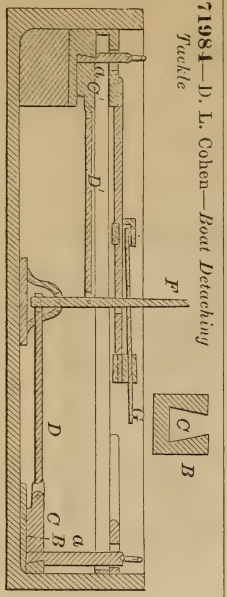
71980—J. Chatillon—*Case for Spring Balance.*



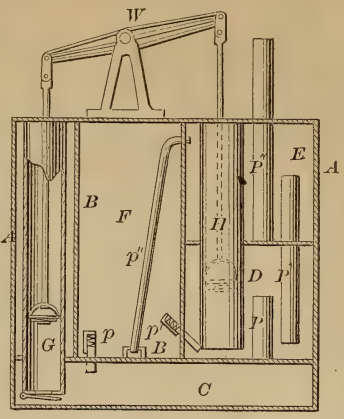
71983—Coe & Snow—*Clamp.*



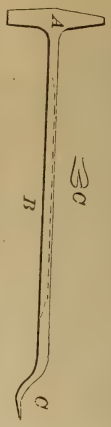
71984—D. L. Cohen—*Boat Detaching Tackle.*



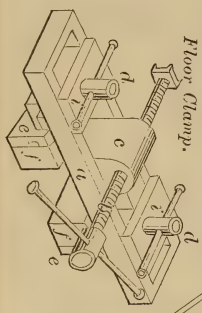
71985—J. R. Cole—*For Elevating Water.*



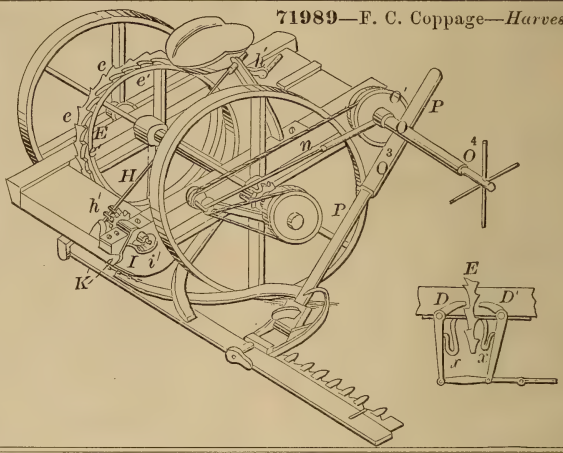
71986—F. A. Conklin—*Tack Hammer.*



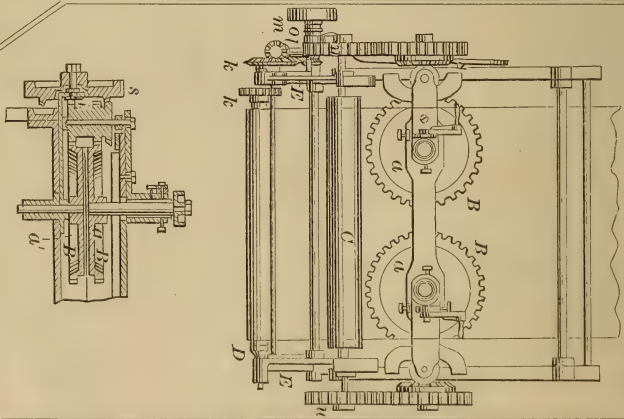
71987—Connor & Mitchell—*Floor Clamp.*



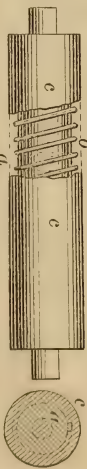
71989—F. C. Coppage—*Harvester.*



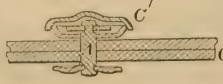
71990—A. C. Corpe—*For Stretching Cloth.*



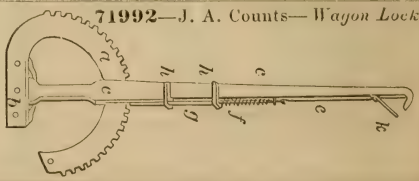
71991—B. R. Cotton—*Roller for Dressing.*



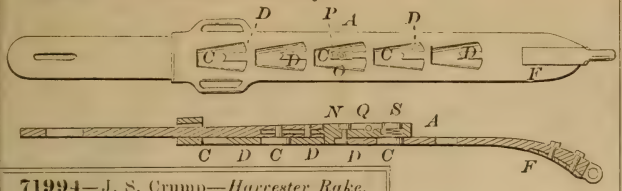
71988—G. Cooke—*Button.*



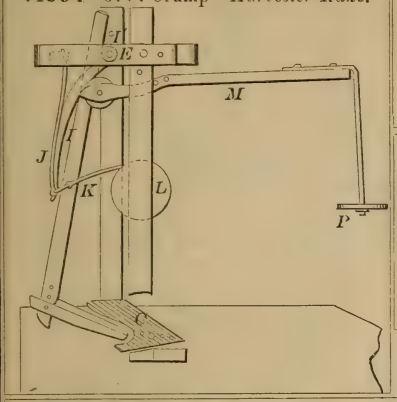
71992—J. A. Counts—*Wagon Lock.*



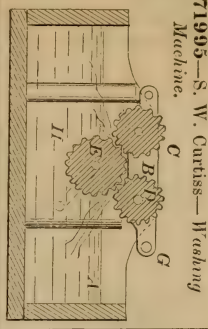
71993—J. C. Covert—*Hame Tug.*



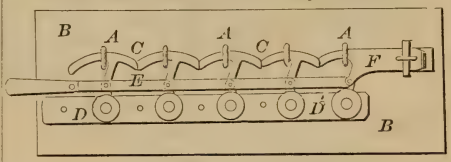
71994—J. S. Crump—*Harvester Rake.*



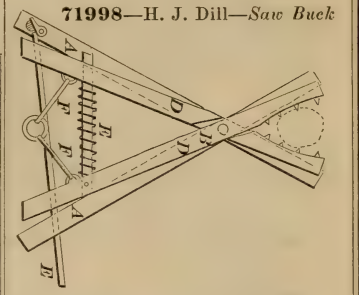
71995—S. W. Curtiss—*Washing Machine.*



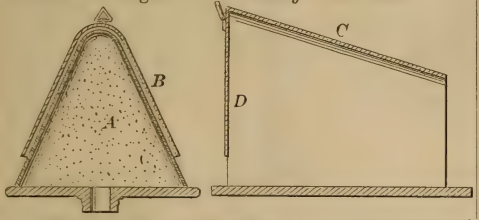
71997—S. Denison—*Mail Bag Fastener.*



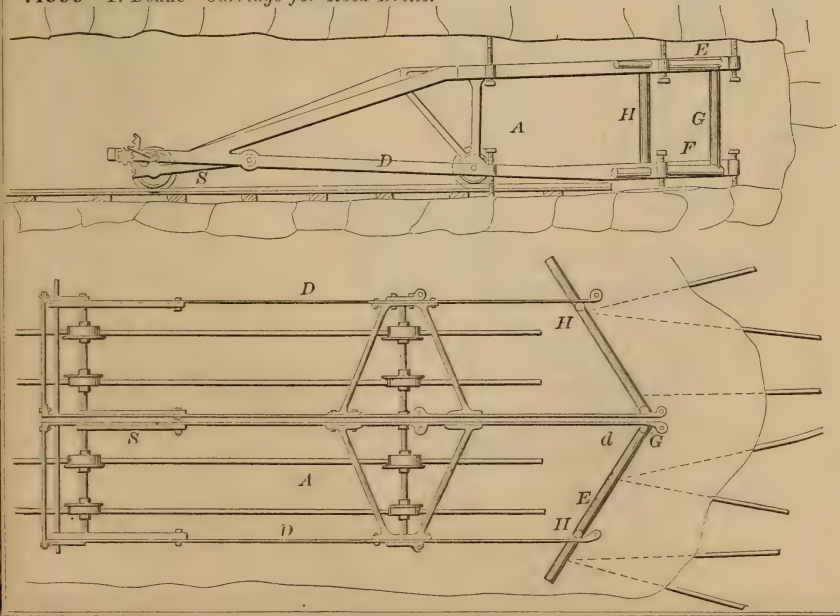
71998—H. J. Dill—*Saw Buck*



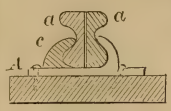
71996—F. Degen—*For Forming Hat Bodies.*



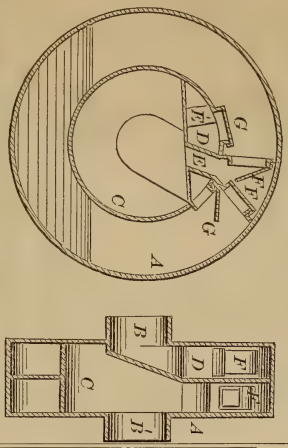
71999—T. Doane—*Carriage for Rock Drills.*



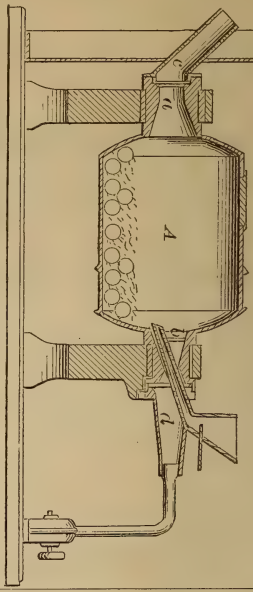
72000—J. H. Downing—*Railway Chair.*



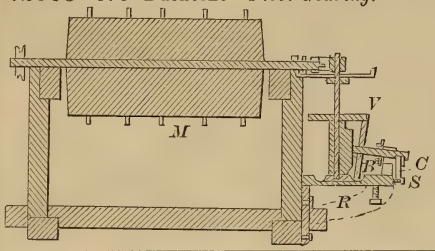
72001—Doyle & Martin—*Rotary Pump.*



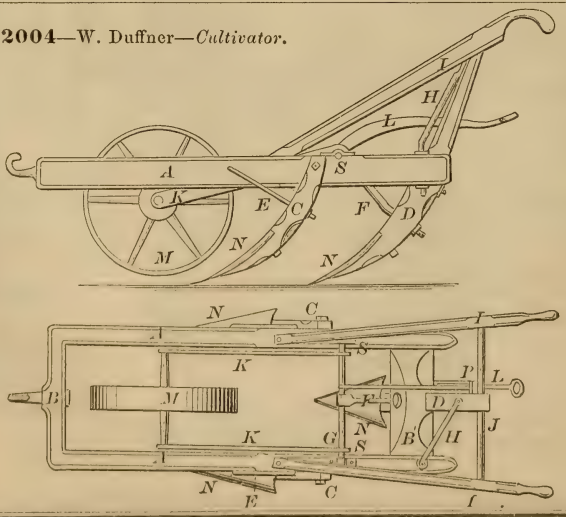
72002—J. F. Drummond—*Grinding Mill.*



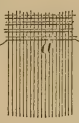
72003—J. J. Duchesne—*Pivot Gearing.*



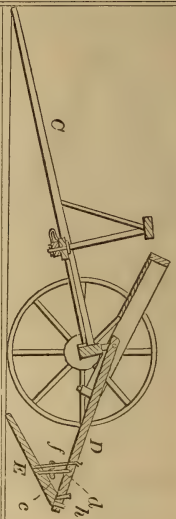
72004—W. Duffner—*Cultivator.*



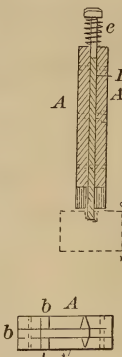
72005—J. Earnshaw—*Woven Fabric.*



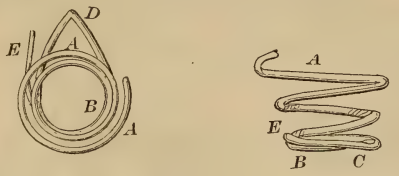
72006—E. A. Field—*Horse Rake.*



72007—C. D. Flesche—*Punch for Forming Clasps.*

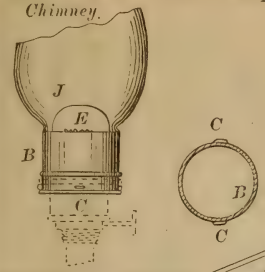


72008—J. Flinn—*Spring for Webbing.*

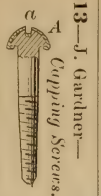


72009—A. T. Foster—*Knife and Fork Holder.*

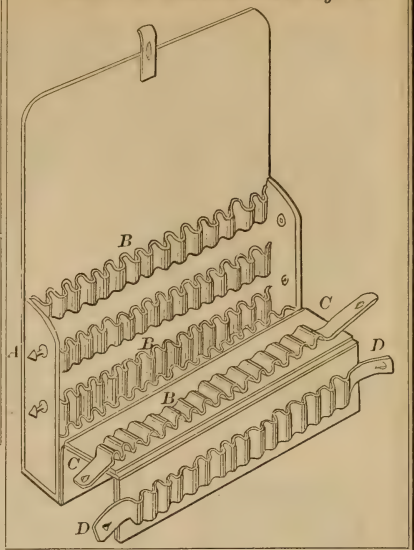
72010—S. W. Fowler—*Lamp Chimney.*

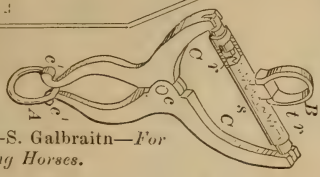


72013—J. Gardner—*Crimping Sewers.*



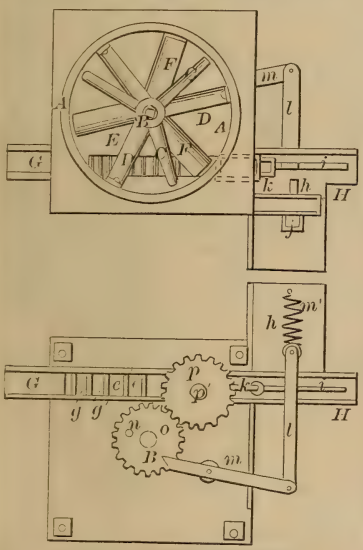
72011—W. Freeborn—*Cartridge Box.*



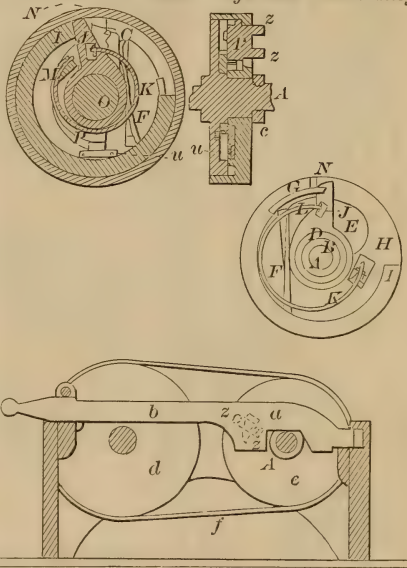


72012—S. Galbraitn—*For Hitching Horses.*

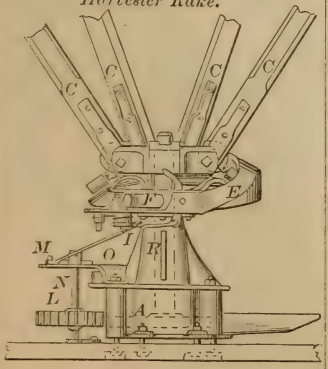
72015—S. Gassinger—*Brick Machine.*



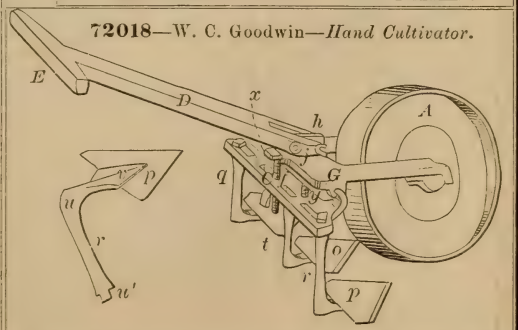
72014—J. P. Gates—*Tight and Loose Pulley.*



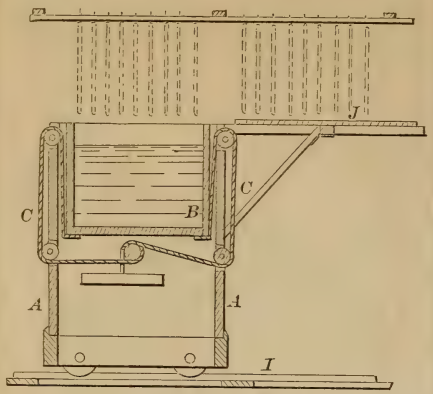
72016—J. H. & A. J. Glass—*Harvester Rake.*



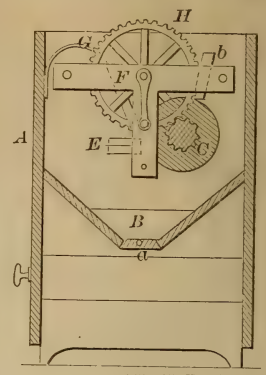
72018—W. C. Goodwin—*Hand Cultivator.*



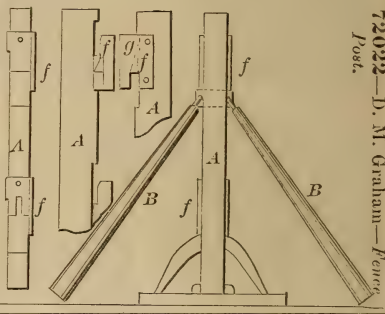
72019—P. R. Gottstein—*Dipped Candle.*



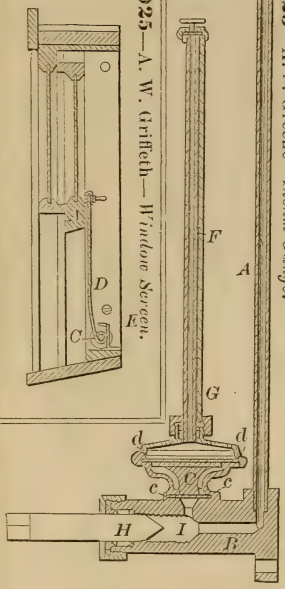
72020—J. Gould—*Corn Sheller.*



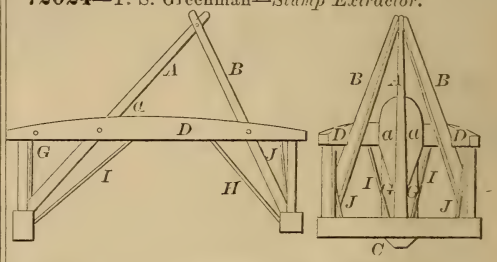
72022—D. M. Graham—*Fence Post.*



72023—A. S. Greene—*Steam Gauge.*

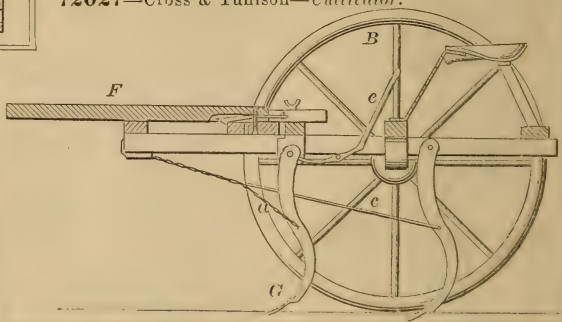


72024—T. S. Greenman—*Stump Extractor.*

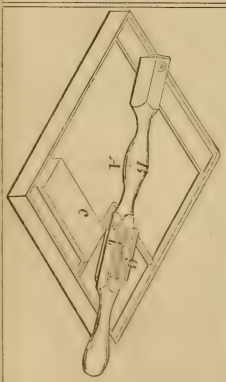


72025—A. W. Griffeth—*Window Screen.*

72027—Cross & Tunison—*Cultivator.*

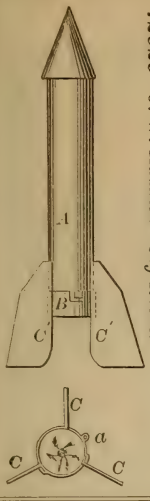


72021—L. Goulding—*Knife Cleaner.*

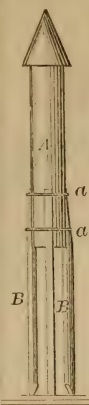


72028—J. A. Haase—*Hose Shield.*

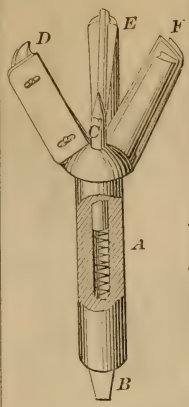
72029—J. W. Hadfield—*Sky Rocket.*



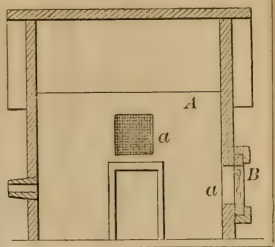
72030—J. W. Hadfield—*Sky Rocket.*



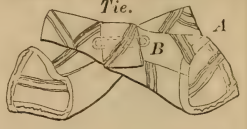
72031—C. F. Hall—*For Refitting Conical Valves*



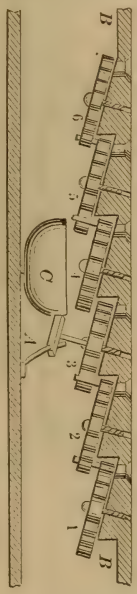
72032—G. C. Hall—*Collecting Oxide of Zinc.*



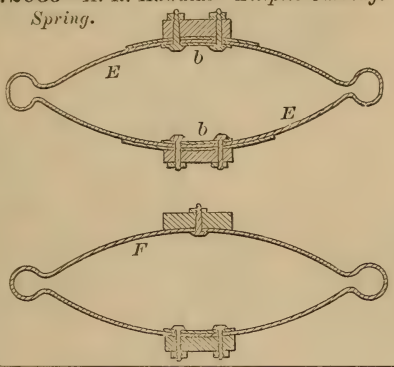
72034—W. H. Hart—*Neck Tie.*



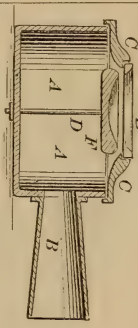
72033—H. F. Hart—*Register for Odometers.*



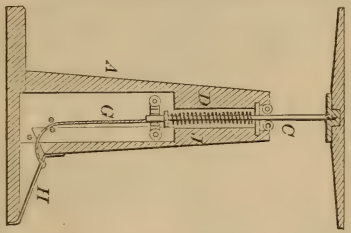
72035—H. R. Hawkins—*Elliptic Carriage Spring.*



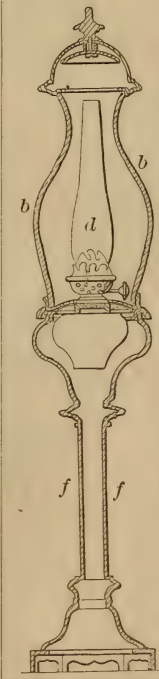
72039—J. B. Hinberg—*Tuyere.*



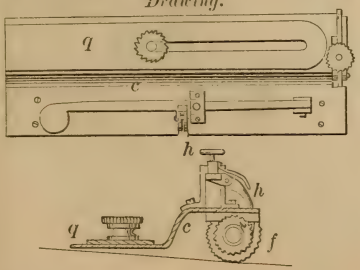
72037—D. Hazard—*Platform Scale.*



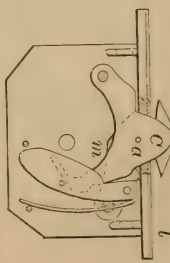
72040—J. & J. Hinks—*Petroleum Burning Lamp*



72036—E. K. Haynes—*Hatch-Lining Drawing.*



72038—A. Helmstaedter—*Piano Lock.*



72040—*Continued.*

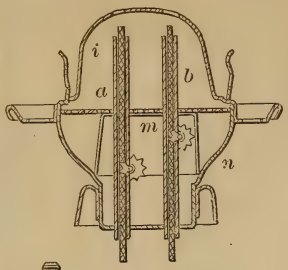
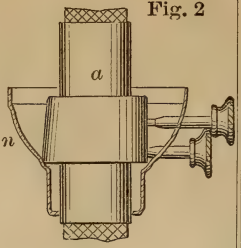


Fig. 2



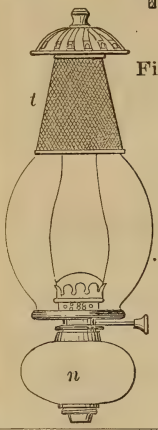


Fig. 9

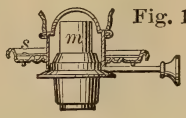


Fig. 13

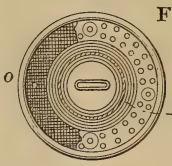
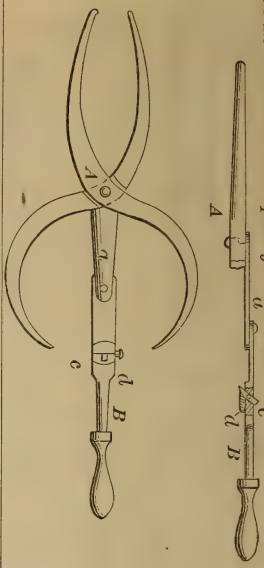
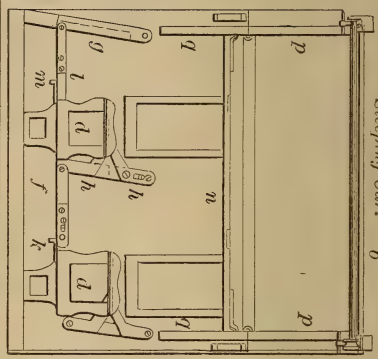


Fig. 14

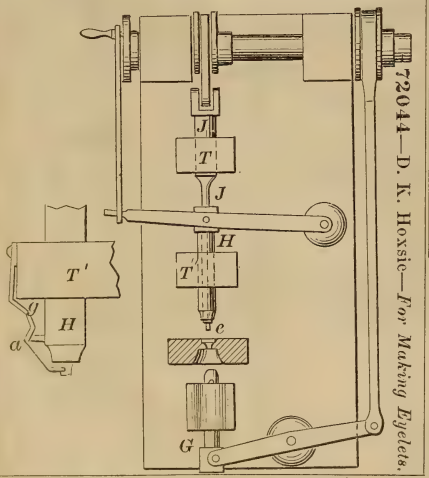
72042—H. Holt—*For Opening Fruit Cans.*



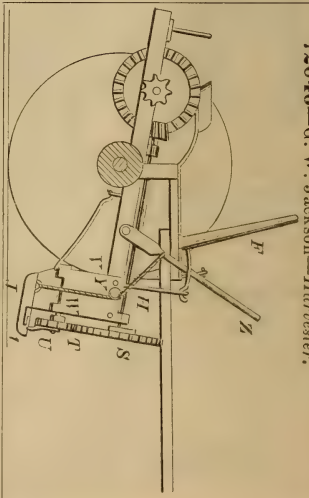
72045—G. W. Hunt—*Railway Sleeping Car.*



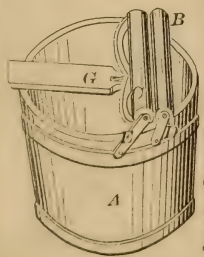
72044—D. K. Hoxsie—*For Making Eyelets.*



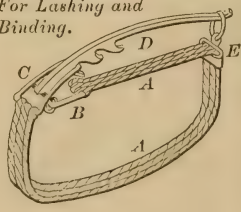
72046—G. W. Jackson—*Harvester.*



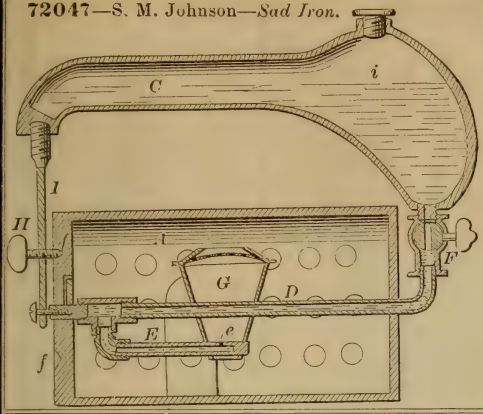
72043—Z. Howe—*Mop Wringer.*



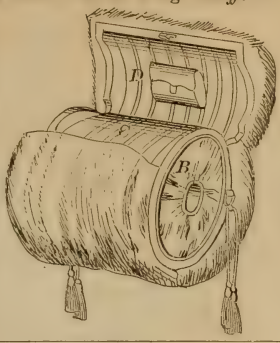
72041—J. M. Hirlinger—*For Lashing and Binding.*



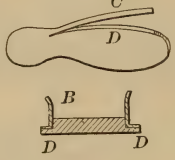
72047—S. M. Johnson—*Sad Iron.*



72049—M. A. King—*Muff.*



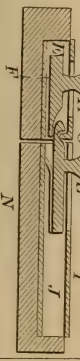
72048—W & J. Keats—*Boots and Shoes.*

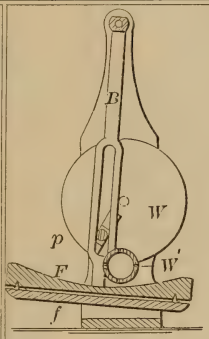


72050—A. Knapp—*Horse Hay Fork.*

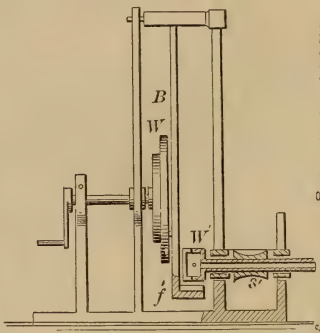
72051—J. Lawrence—*Fifth Wheel for Carriages.*

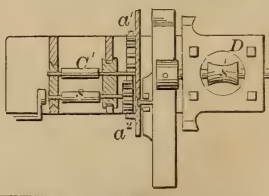
72053—F. C. Lovalley—*Door Fastener.*



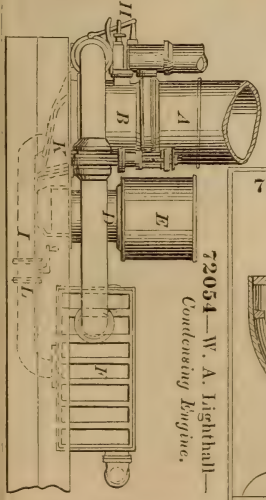


72055—G. S. Long—*For Forming Elliptic Spring.*

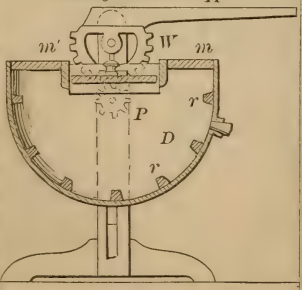




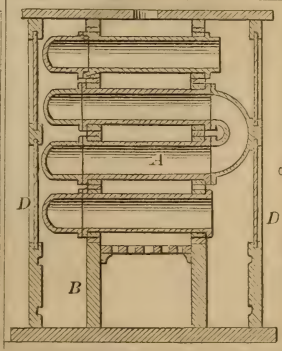
72054—W. A. Lighthall—*Condensing Engine.*



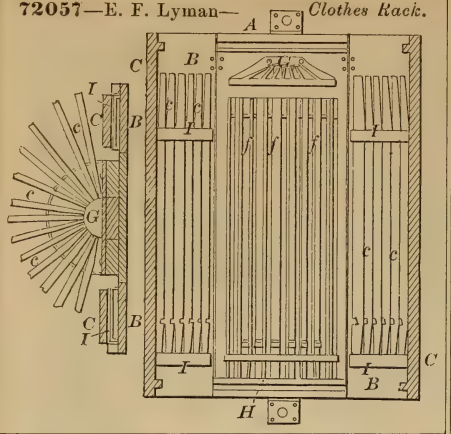
72052—J. Q. Leffingwell—*Washing Machine.* *H*



72056—R. Long—*Furnace.*

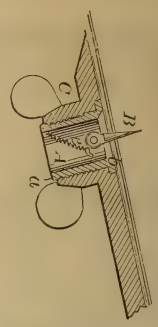


72057—E. F. Lyman—*Clothes Rack.*

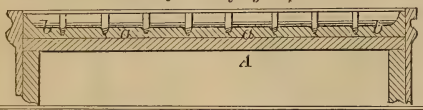


72058—F. J. Macfarlan—*Vessel Centre Board.*

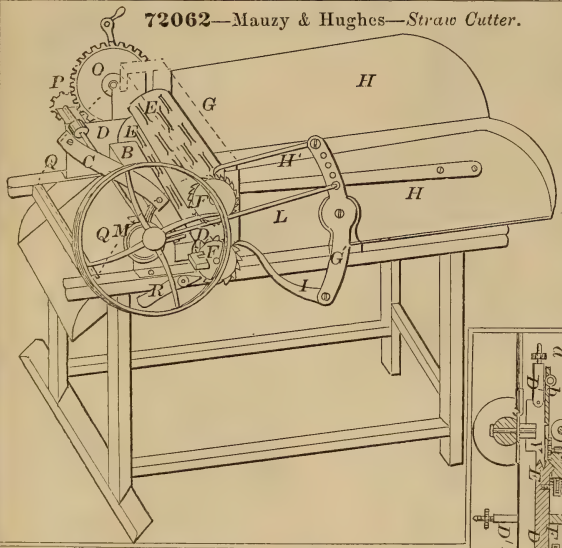
72059—R. W. Macgowan—*Register Point for Printing Presses.*



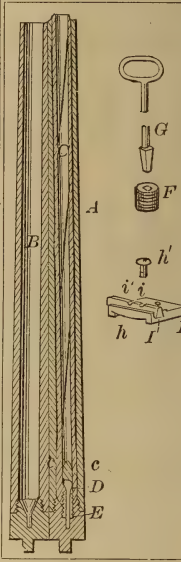
72060—O. Manly—*Roofing.*



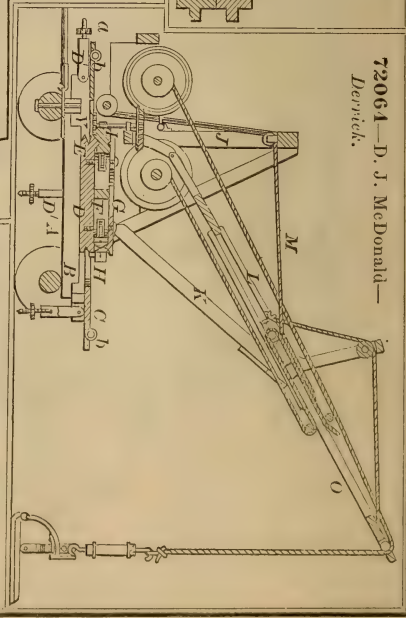
72062—Mauzy & Hughes—*Straw Cutter.*



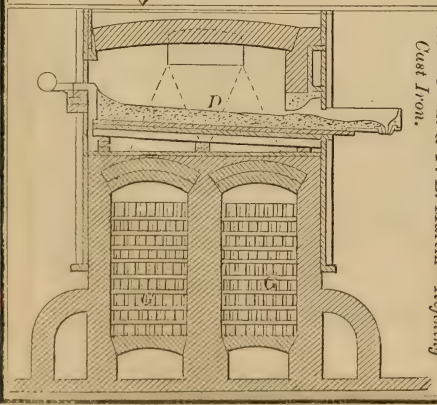
72063—S. McCulloch—*Convertible Shot Gun and Rifle.*



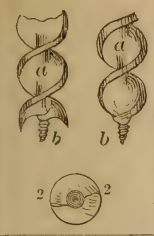
72064—D. J. McDonald—*Derrick.*



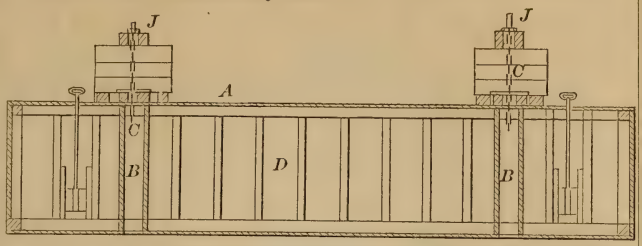
72061—E. & P. E. Martin—*Refining Cast Iron.*



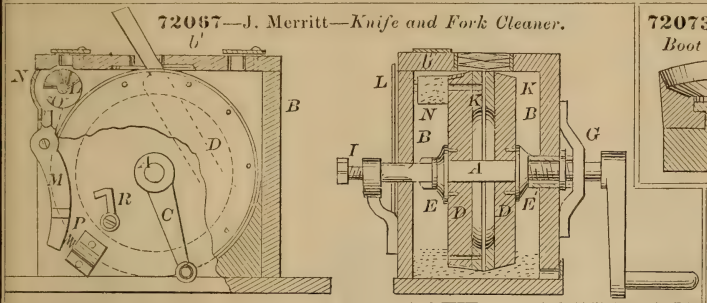
72063—J. A. McGee—*Auger.*



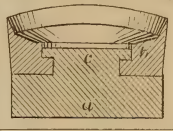
72066—I. J. Merritt—*Dry Dock.*



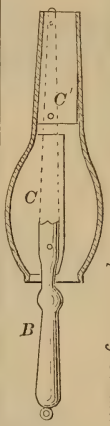
72067—J. Merritt—*Knife and Fork Cleaner.*



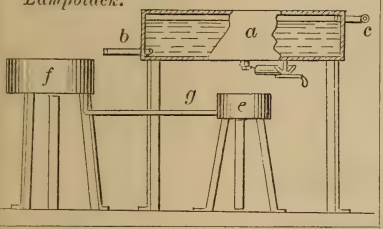
72073—E. Newhall—*Boot and Shoe Heel.*



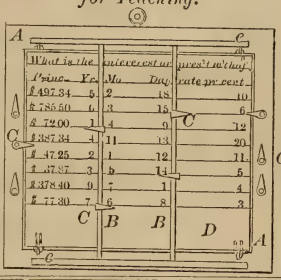
72072—R. B. Musson—*Lamp Chimney Cleaner.*



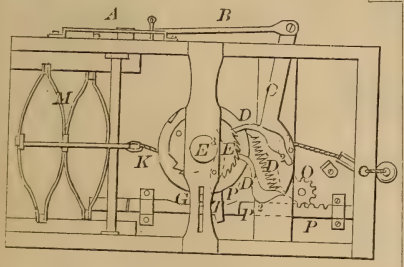
72068—A. Millochau—*Manufacture of Lampblack.*



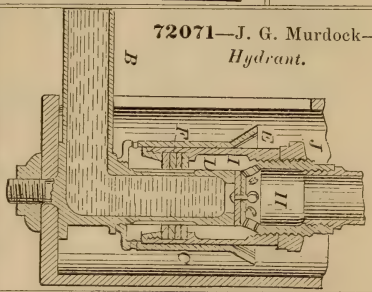
72070—H Munson—*Table for Teaching.*



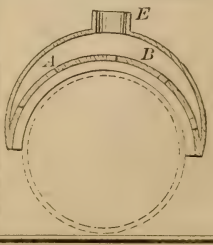
72069—J. Mitchell—*Car Brake.*

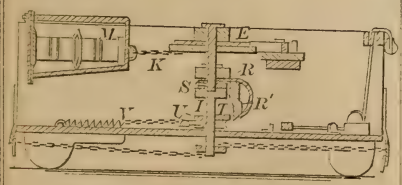


72071—J. G. Murdock—*Hydrant.*

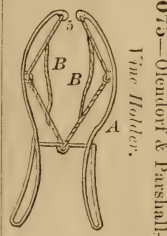


72074—J. B. Oldershaw—*Hot Air Conductor.*

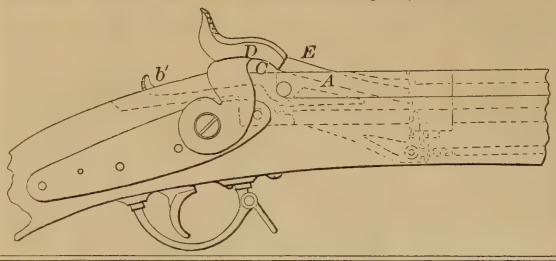




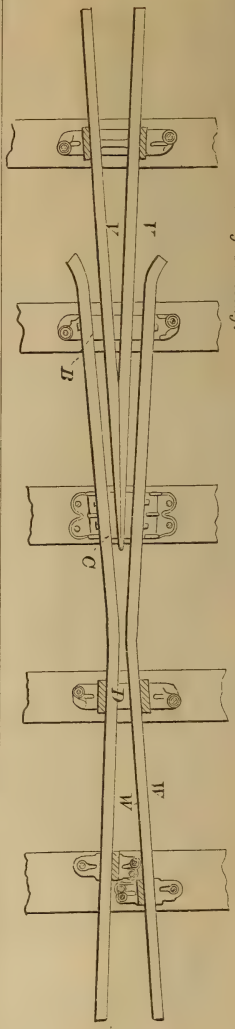
72075—Olendorf & Parshall—*Vine Holder.*



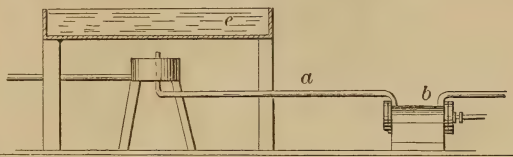
72076—H. O. Peabody—*Breech-Loading Fire Arm.*



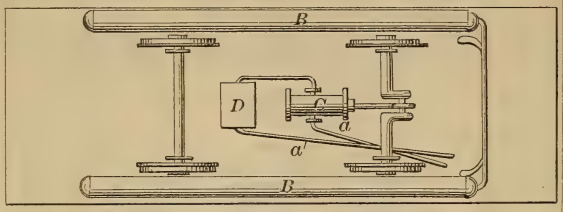
72077—S. Perkins—*Railway Crossing.*



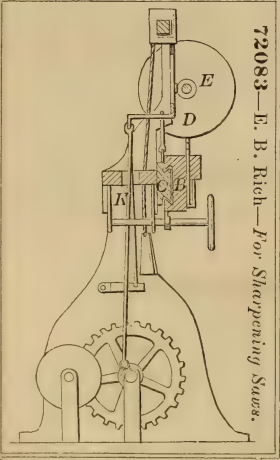
72078—R. N. Perlee—*Manufacture of Lampblack.*



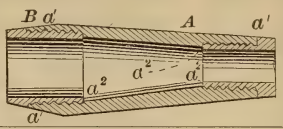
72082—L. Ransom—*Pneumatic Car.*



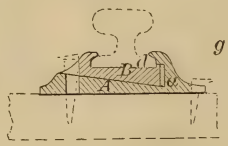
72083—E. B. Rich—*For Sharpening Saws.*



72079—H. B. Pitner—*Axle Box.*

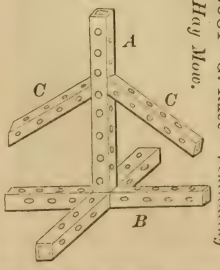


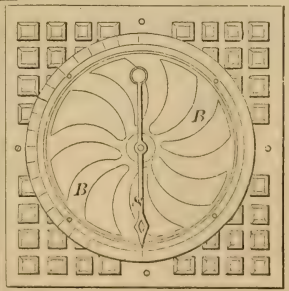
72080—L. Pollock—*Railway Chair.*

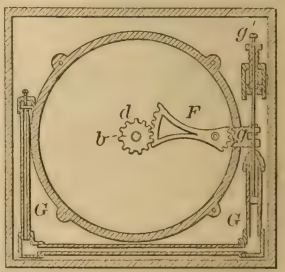


72084—J. T. Buckley—*Automatic Register.*

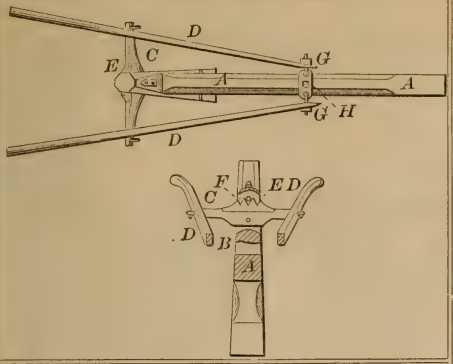
72081—G. Race—*Ventilating Hay Mow.*



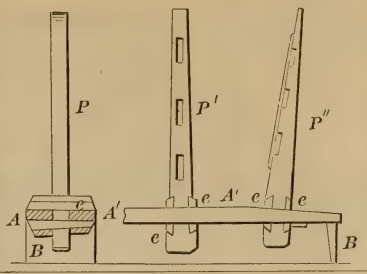




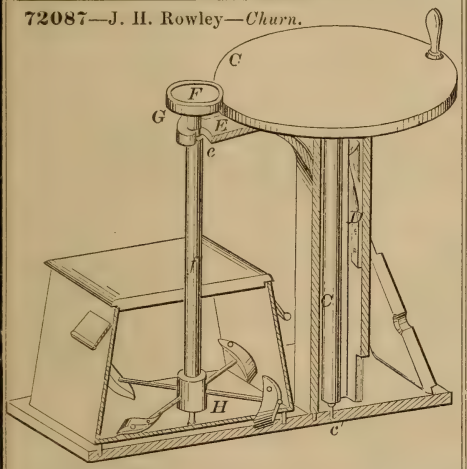
72085—P. A. Ross—*Shovel Plow.*



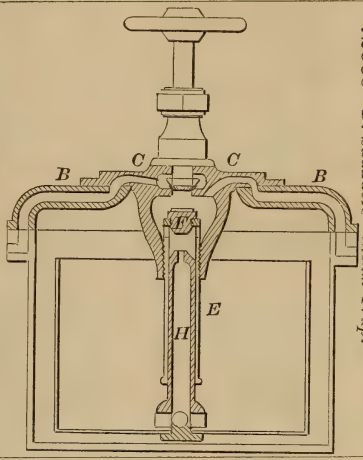
72086—R. Ramsey—*Fence Post.*



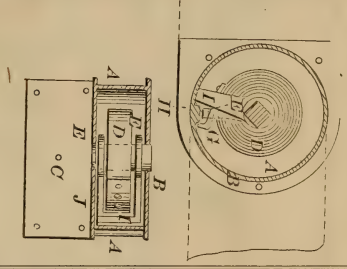
72087—J. H. Rowley—*Churn.*



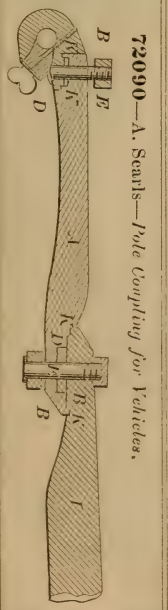
72088—D. Saunders—*Steam Trap.*



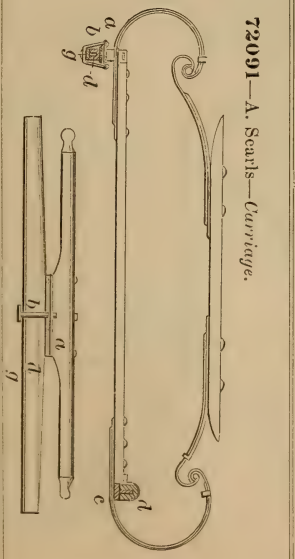
72089—R. Schrader—*Door Spring.*



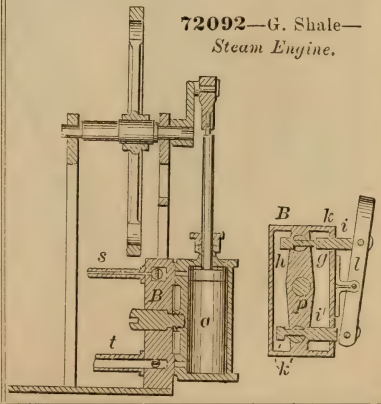
72090—A. Searls—*Pole Coupling for Vehicles.*



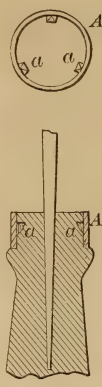
72091—A. Searls—*Carriage.*



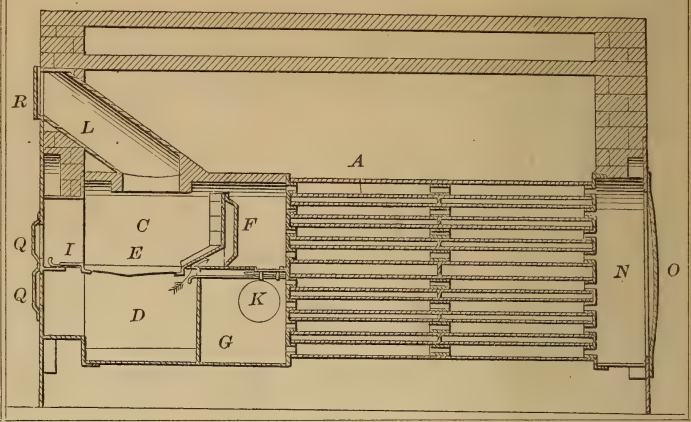
72092—G. Shale—*Steam Engine.*



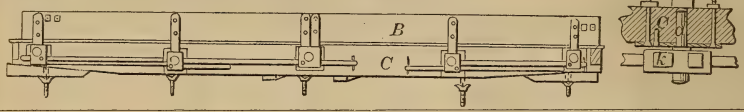
72093—A. Shaw—*Ferrule.*



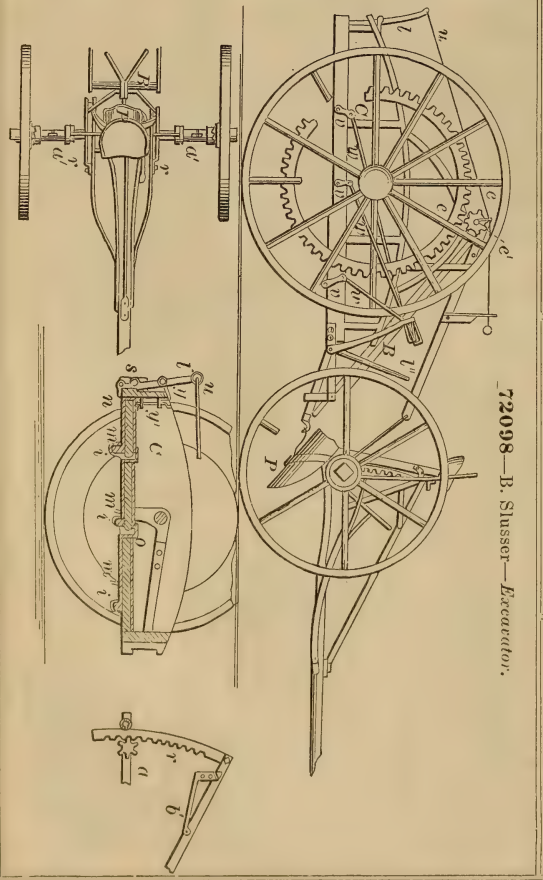
72095—C. J. Shepard—*Tubular Heater.*



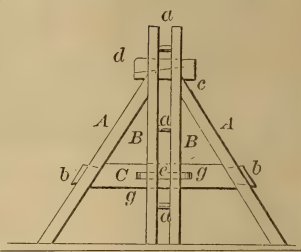
72097—T. A. Slack—*Stake Holder for Railroad Cars.*



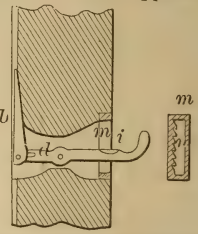
72098—B. Slusser—*Excavator.*



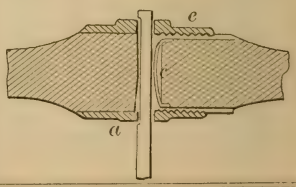
72094—W. H. Shay—*Fence Post.*



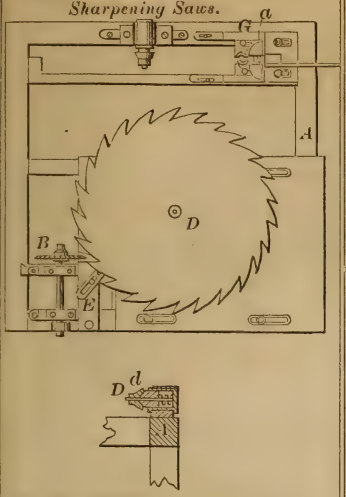
72096—J. W. Simpson—*Window Sash Supporter.*



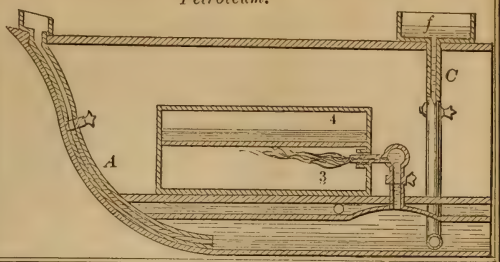
72099—D. Y. Smith—*Auger Handle*



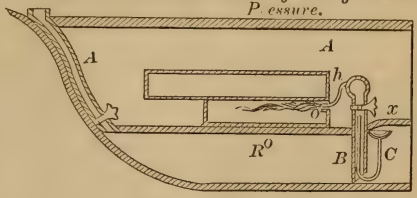
72100—J. B. Smith—*For Sharpening Saws.*



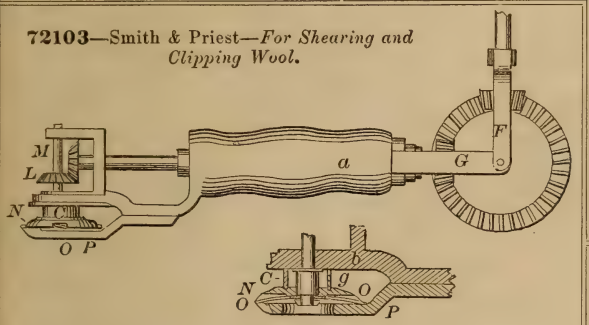
72102—J. H. Smith—*Ship for Transporting Petroleum.*

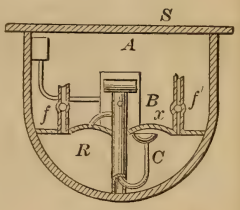


72101—J. H. Smith—*Raising Oil by Pneumatic Pressure.*

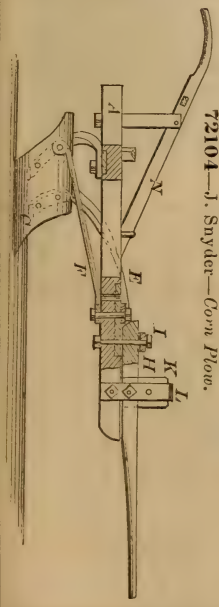


72103—Smith & Priest—*For Shearing and Clipping Wool.*

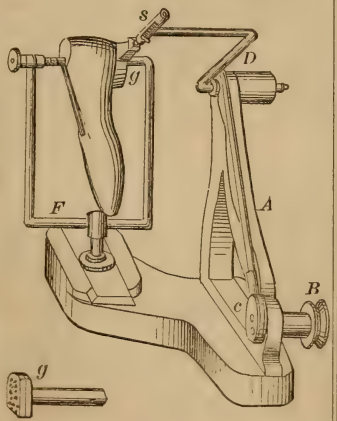




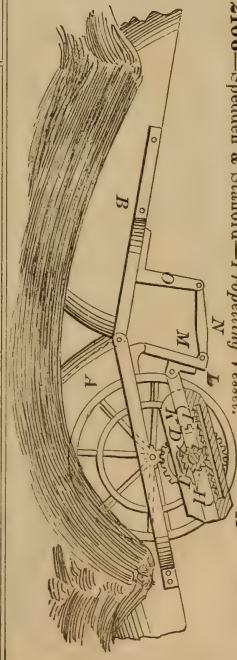
72104—J. Snyder—*Corn Plow.*



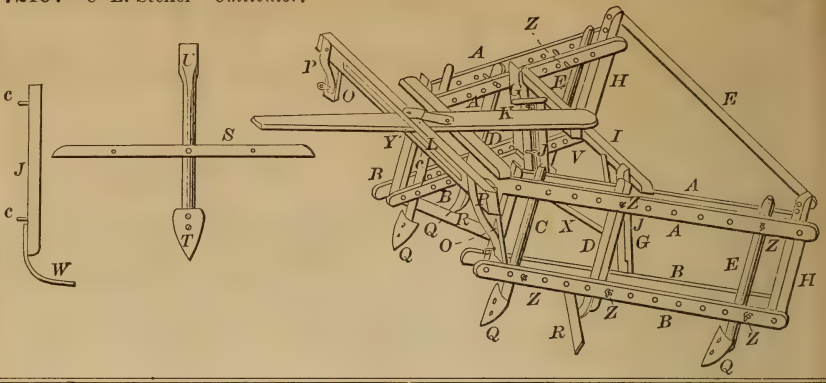
72105—V. K. Spear—*Boot Heel Polisher.*



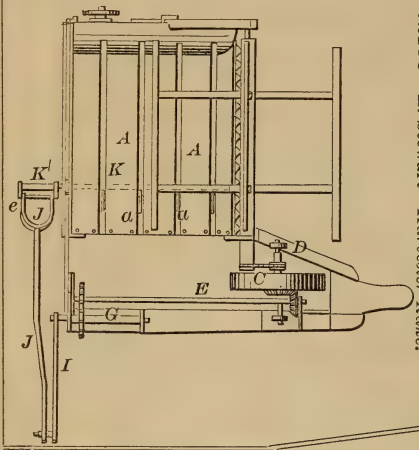
72106—Spedden & Stafford—*Propelling Vessel.*



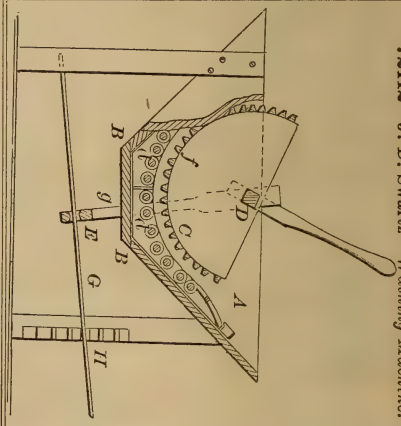
72107—C E. Steller—*Cultivator.*



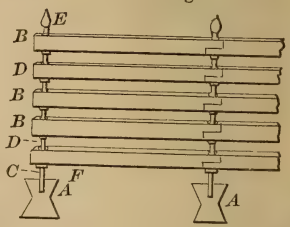
72109—E. Stewart—*Harvester Rake.*



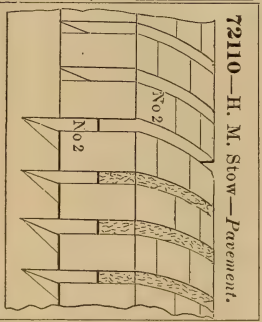
72112—J. D. Swartz—*Washing Machine.*



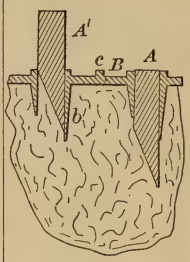
72113—G. D. Sweigert—*Fence.*



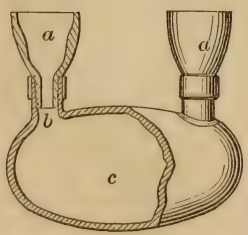
72110—H. M. Stow—*Pavement.*



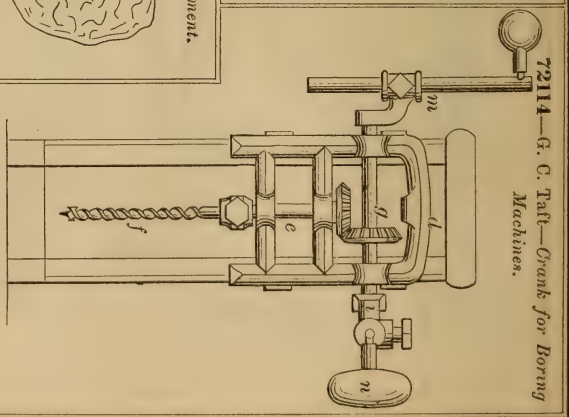
72111—H. M. Stow—*Pavement.*



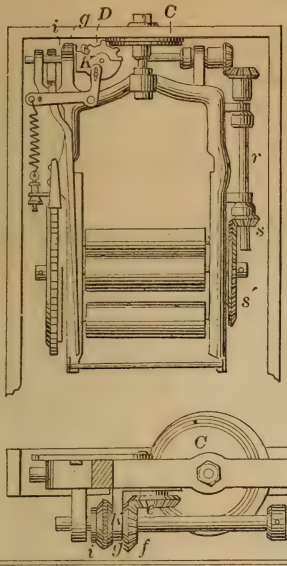
72108—B. F. Stephens—*Eye Cup.*



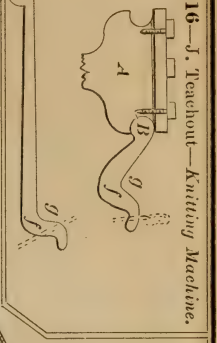
72114—G. C. Taft—*Crank for Boring Machines.*



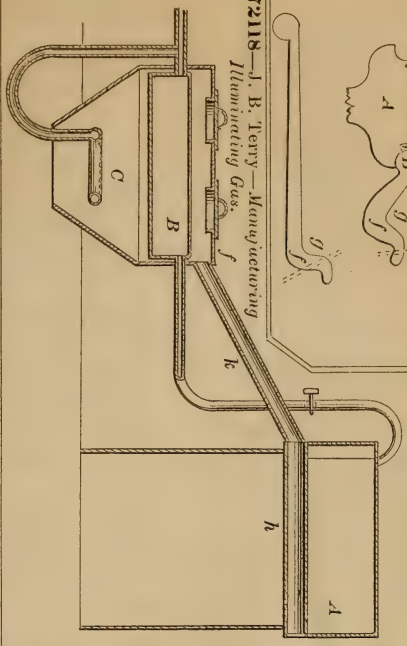
72115—J. Teachout—*Rotary Take-up for Knitting Machines.*



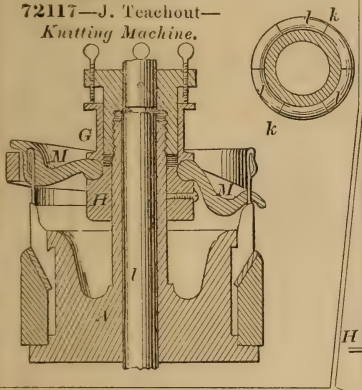
72116—J. Teachout—*Knitting Machine.*



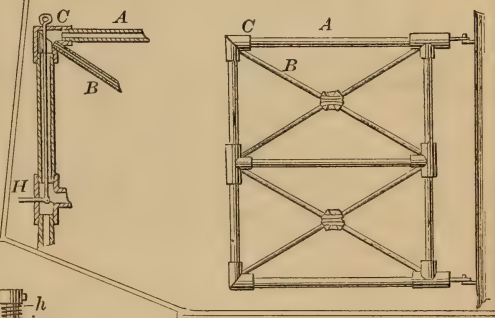
72118—J. B. Terry—*Manufacturing Illuminating Gas.*



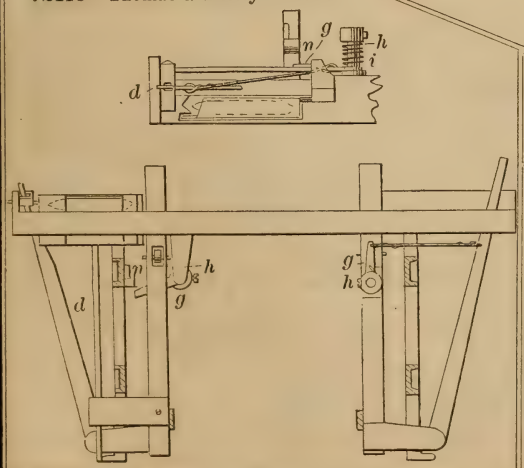
72117—J. Teachout—*Knitting Machine.*



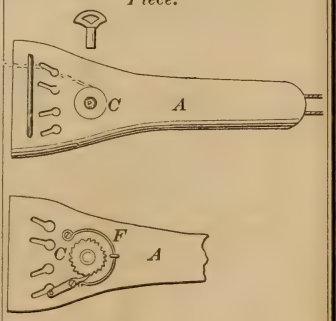
72120—J. H. Thompson—*Gate.*



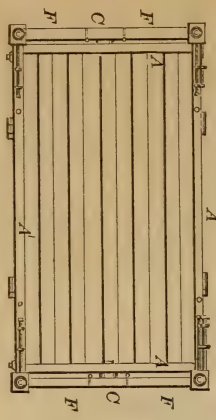
72119—Thomas & Dolley—*Loom.*



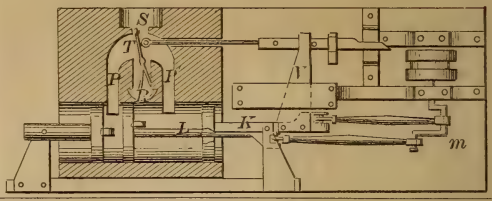
72121—J. Thoms—*Violin Tail Piece.*



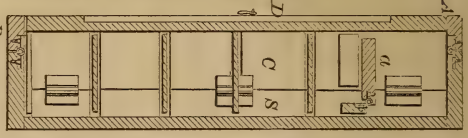
72122—R. S. Titcomb—*Folding Bedstead and Crib.*



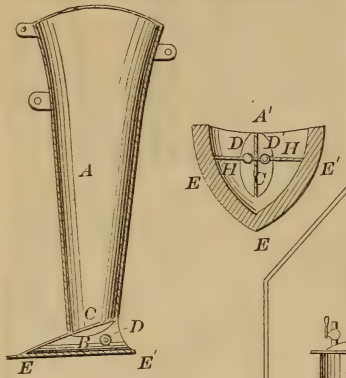
72123—J. F. Troxel—*Steam Engine.*



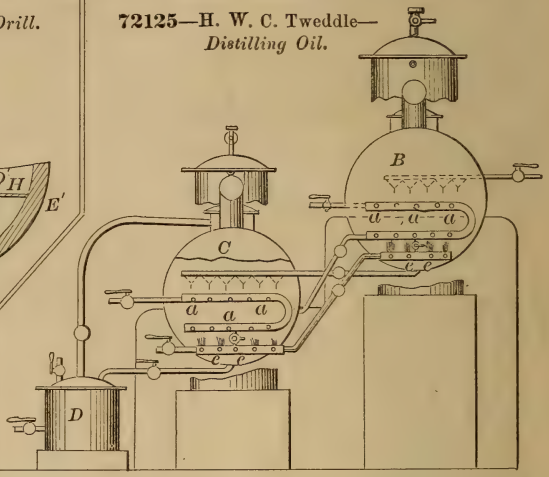
72124—N. Turner—*Wardrobe.*



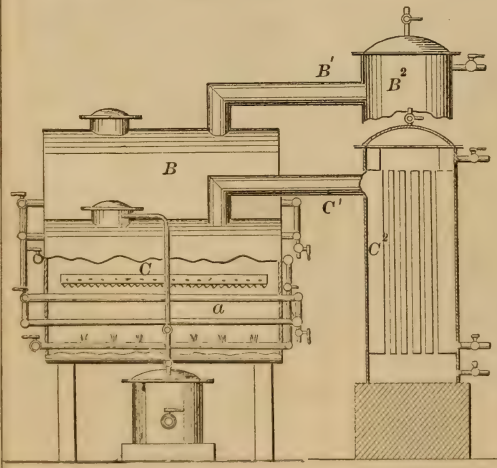
72127—J. G. Vale—*Grain Drill.*



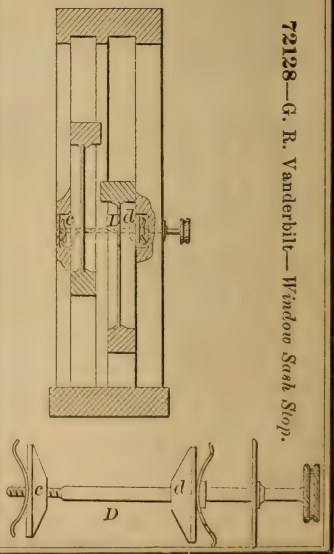
72125—H. W. C. Tweddle—*Distilling Oil.*



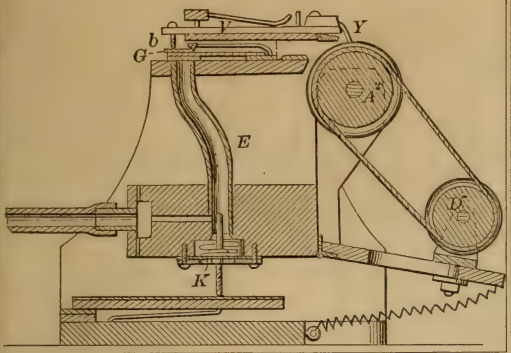
72126—H. W. C. Tweddle—*Distilling Hydro-Carbon Oil.*



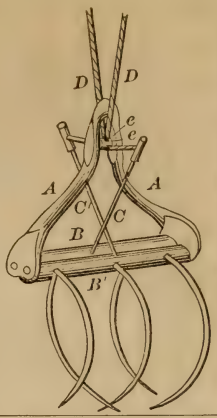
72128—G. R. Vanderbilt—*Window Sash Stop.*



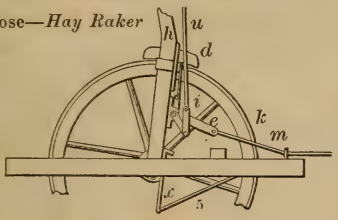
72129—G. W. Van Dusen—*Musical Instrument.*

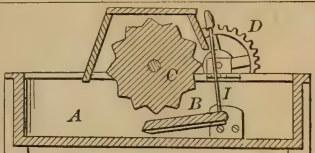


72131—O. Vanorman—*Horse Hay Fork.*

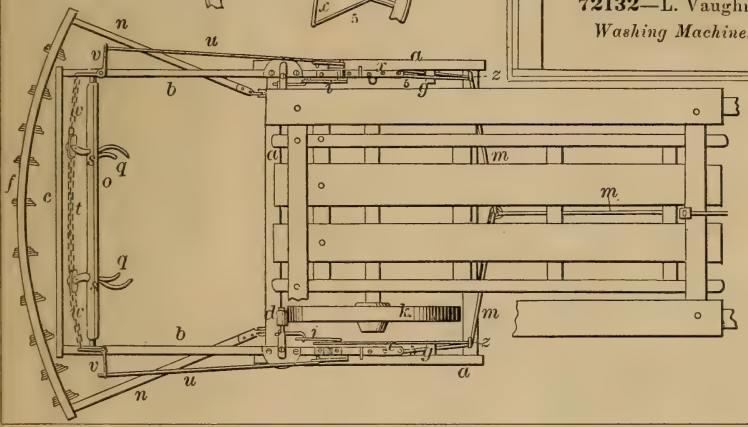


72133—A. Vose—*Hay Raker and Loader.*

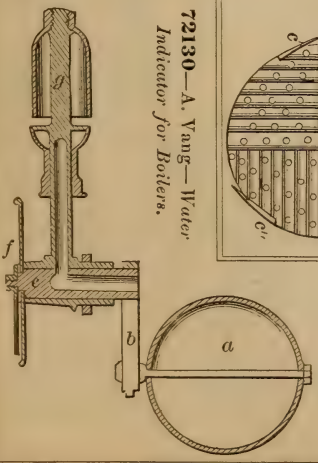




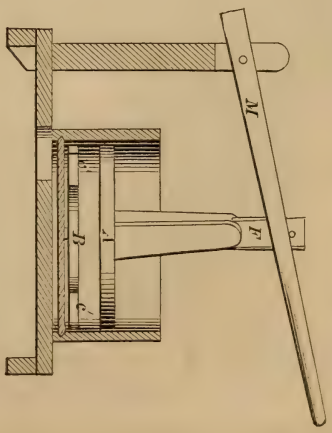
72132—L. Vaughn—*Washing Machine.*



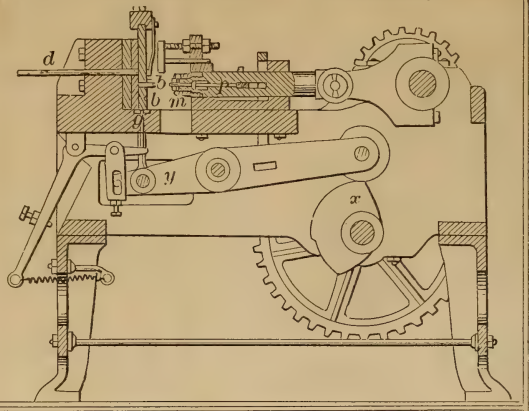
72130—A. Vang—*Water Indicator for Boilers.*



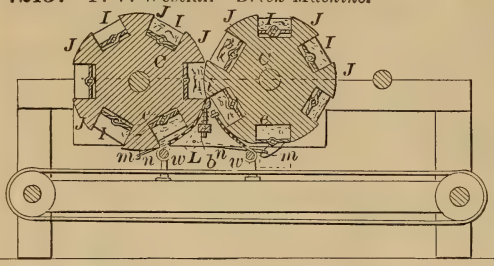
72134—G. E. Wade—*Washing Machine.*



72135—J. Wakefield—*Bolt and Rivet Machine.*

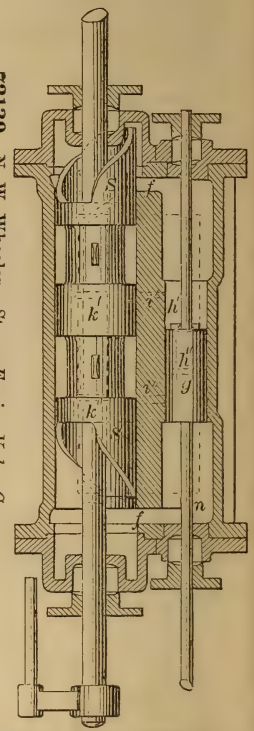


72137—P. V. Westfall—*Brick Machine.*

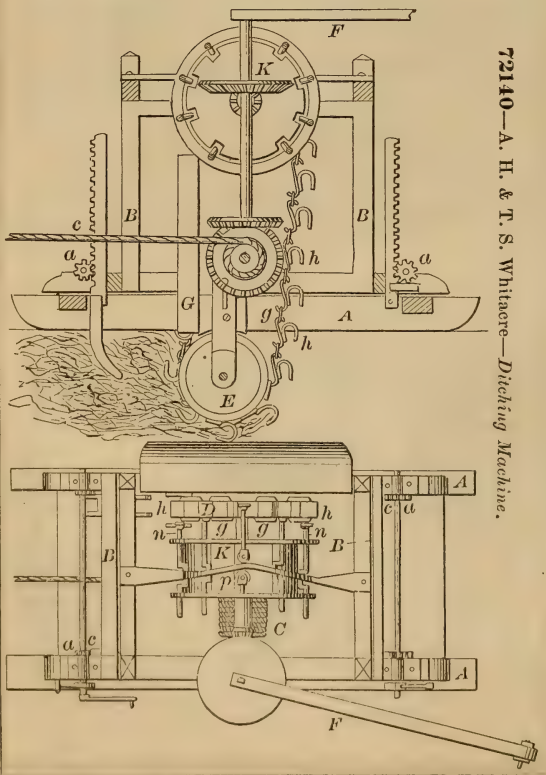


72138—N. Weston—*For Enamelling Photographic Pictures.*

72139—N. W. Wheeler—*Steam Engine Valve Gear.*



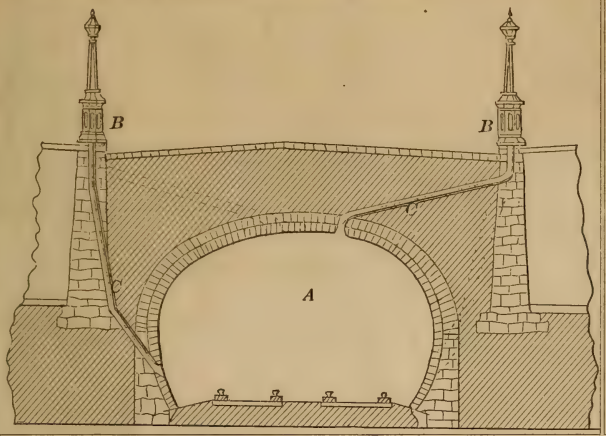
72140—A. H. & T. S. Whitacre—*Ditching Machine.*



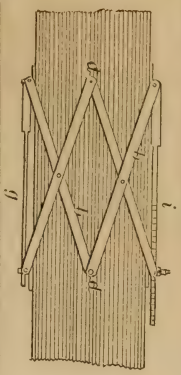
72136—D. Webster—*Egg Beater.*

72141—S. P. Williams—*Fence.*

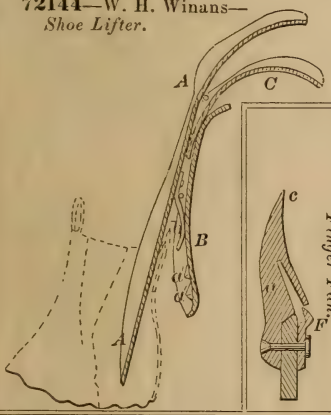
72142—H. B. Willson—*Ventilating Tunnels.*



72146—J. Wolfe—*Paper File.*

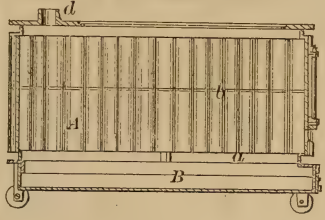


72144—W. H. Winans—*Shoe Lifter.*

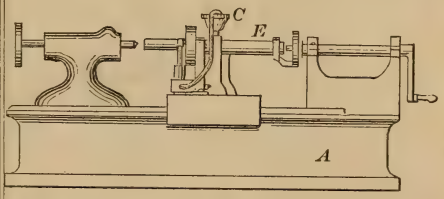


72149—W. A. Wood—*Finger Fan.*

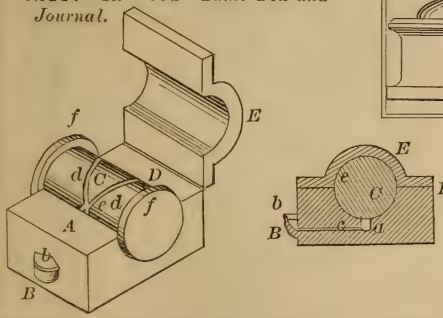
72145—T. W. Wisner—*Stove.*



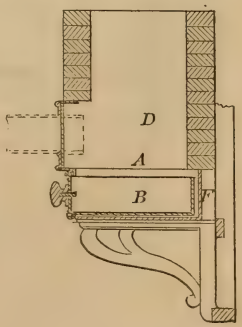
72148—A. Wood—*Lathe for Forming Shafting.*



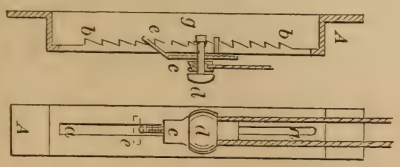
72147—A. Wood—*Lathe Box and Journal.*



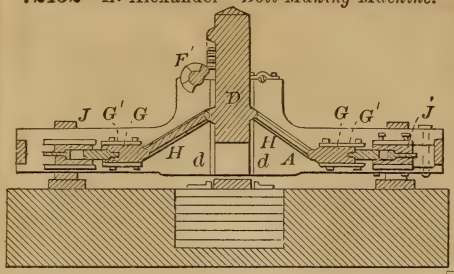
72151—E. S. Phelps, Jr.—*Chimney.*

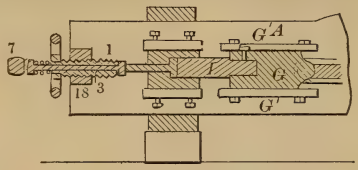


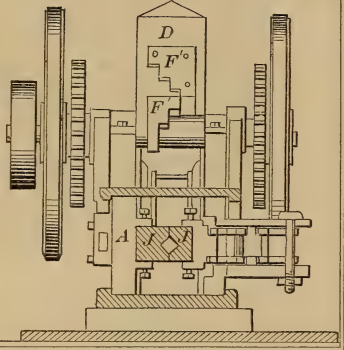
72150—W. H. Wood—*Curtain Fixture.*



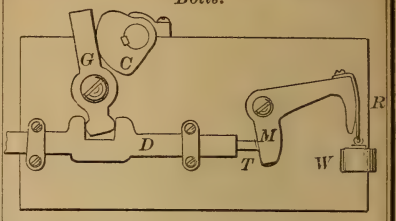
72152—A. Alexander—*Bolt Making Machine.*



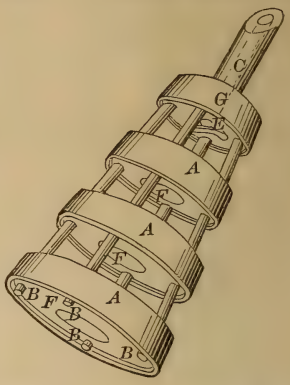




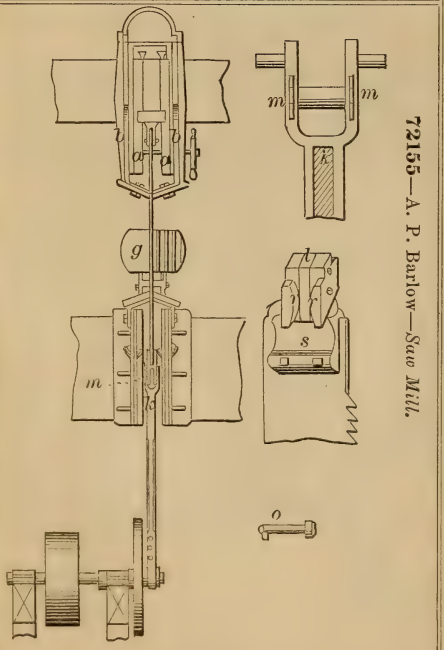
72153—A. Alexander—*For Making Bolts.*



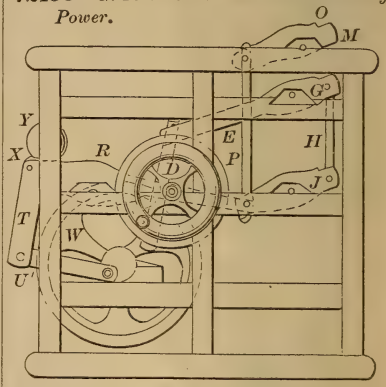
72154—A. E. Banks—*Churn Dasher.*

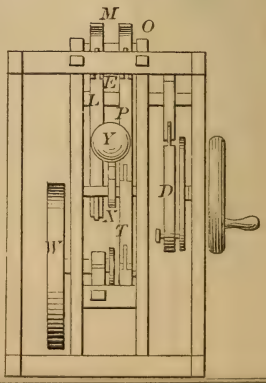


72155—A. P. Barlow—*Saw Mill.*

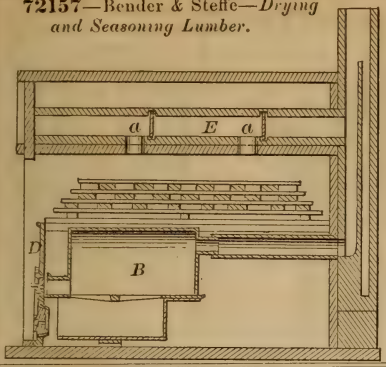


72156—G. H Becker—*For Accumulating Power.*

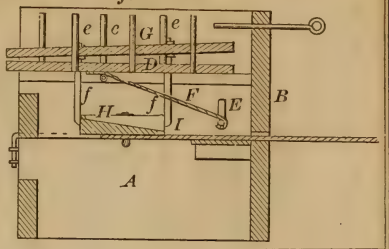




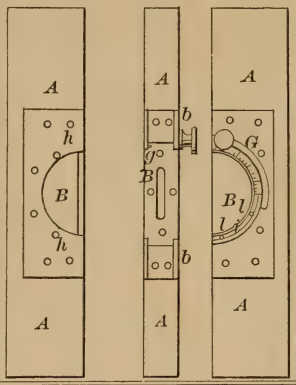
72157—Bender & Steffe—*Drying and Seasoning Lumber.*



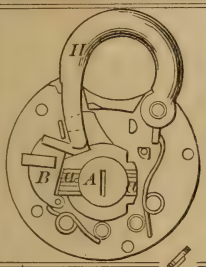
72161—S. Brackett—*For Separating Roots from Peat.*



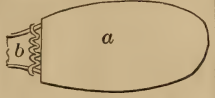
72159—S. A. Bostwick—*Plumb and Level.*



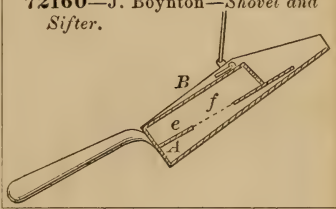
72166—C. J. Clements—*Padlock.*



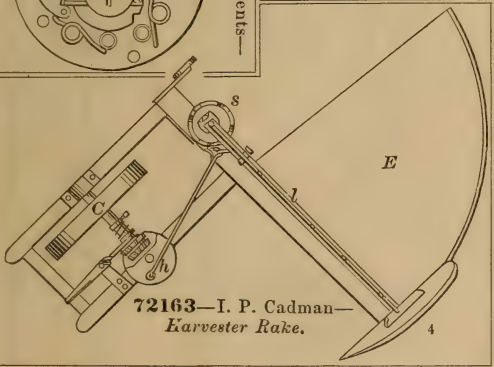
72164—B. H. Camp—*For Attaching Oversoles to Boots and Shoes.*



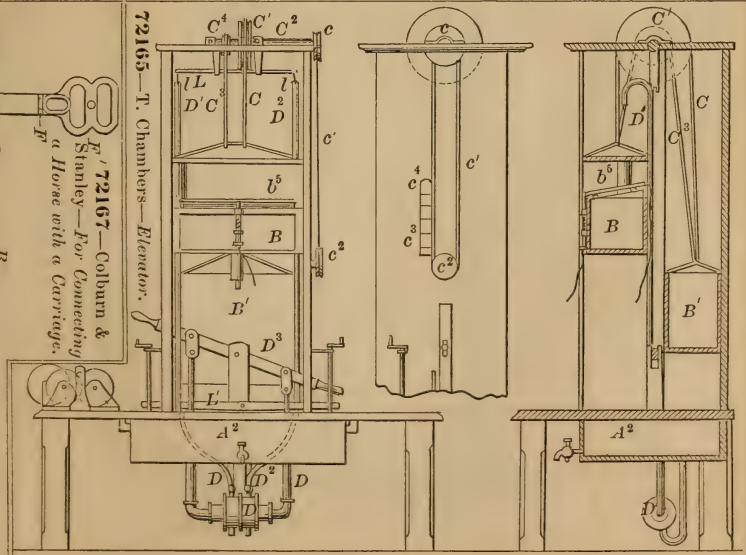
72160—J. Boynton—*Shovel and Sifter.*



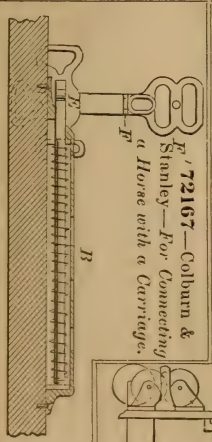
72163—I. P. Cadman—*Harvester Rake.*



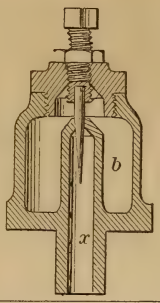
72165—T. Chambers—*Elevator.*



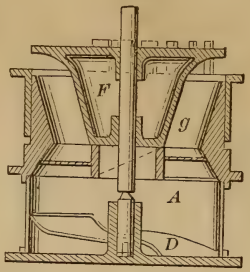
72167—Colburn & Stanley—*For Connecting a Horse with a Carriage.*



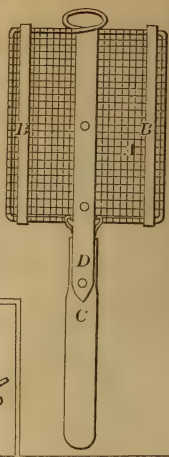
72168—J. B. Collin—*Lubricating Cup.*



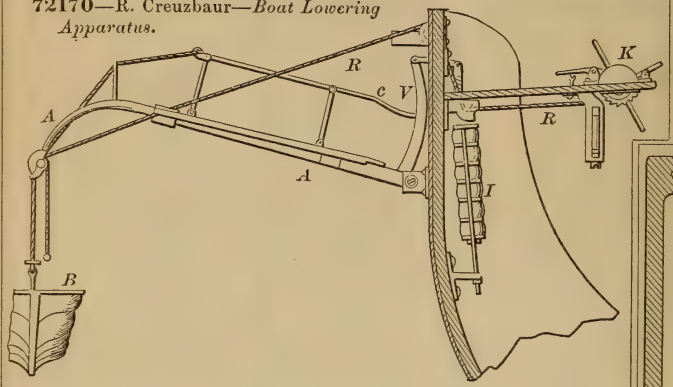
72169—G. M. Connor—*Water Wheel.*



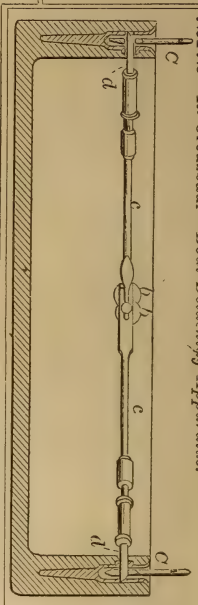
72173—D. A. Denison—*Corn Popper.*



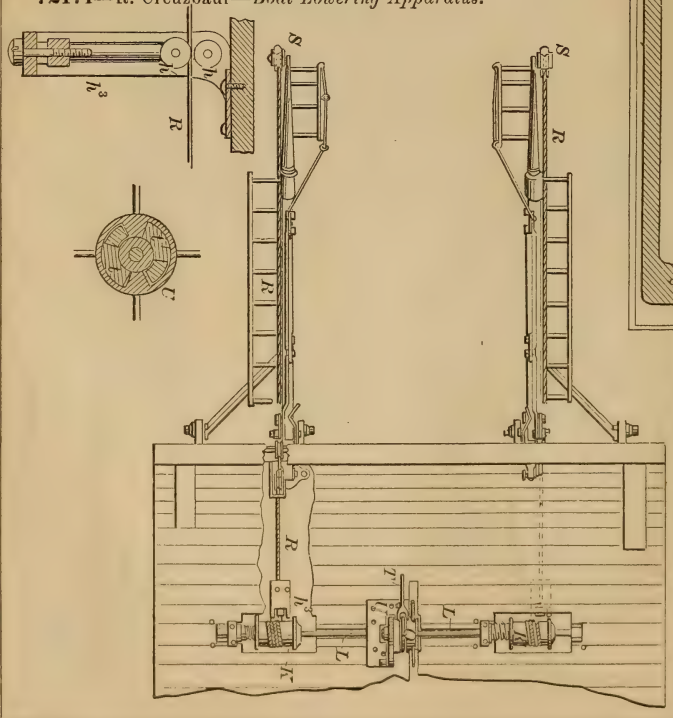
72170—R. Creuzbaur—*Boat Lowering Apparatus.*



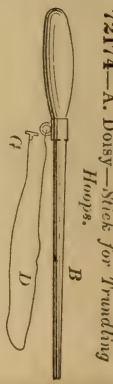
72172—R. Creuzbaur—*Boat Detaching Apparatus.*



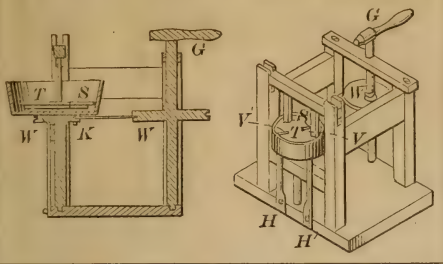
72171—R. Creuzbaur—*Boat Lowering Apparatus.*



72174—A. Doisy—*Stick for Trundling Hoops.*

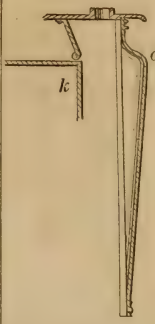


72175—H. C. Dorman—*Washing Machine.*

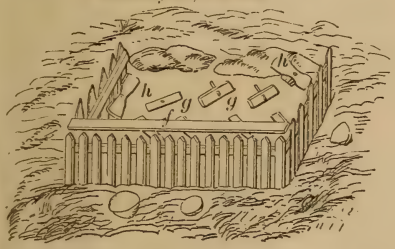


72176—Draper & Glover—*Fireproof Safe.*

72179—G. F. Filley—*Stove Back Plate.*

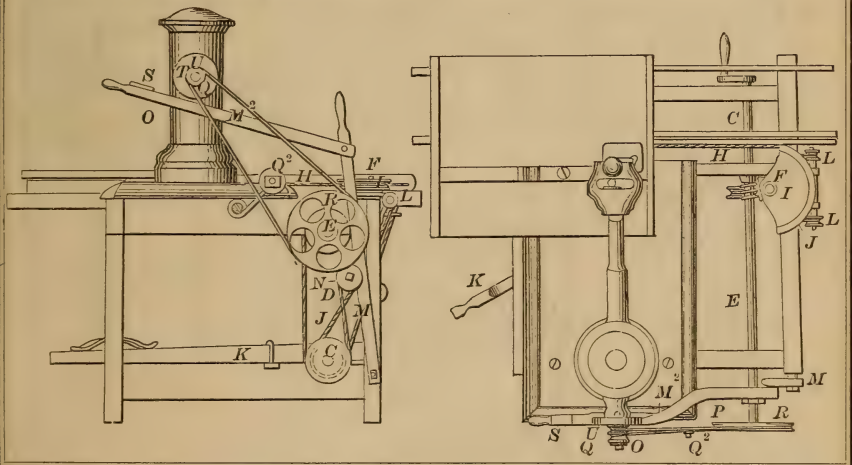


72177—C. Drexler—*For Securing and Feeding Soft Crabs.*

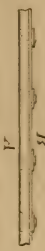


72178—C. S. Dunback—*Chair Rocker.*

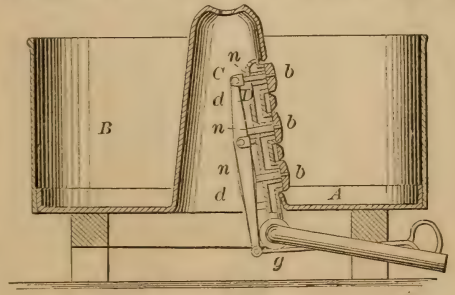
72180—W. Fiske—*Sewing Machine.*



72181—V. Fountain—*Machine Belting.*

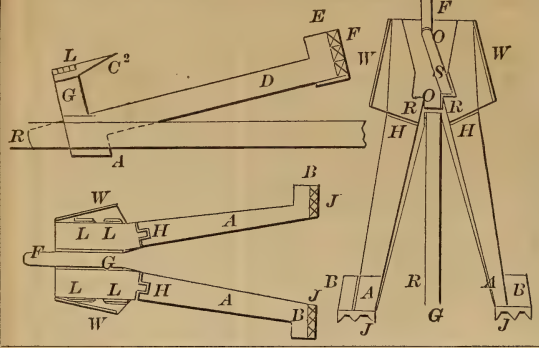


72182—S. Fountain—*Concentrator and Amalgamator.*



72183—O. C. Fox—*Driven Well.*

72184—B. C. Galvin—*Portable Switch.*



72185—B. C. Galvin—*Railway Switch.*

Fig. 1 I

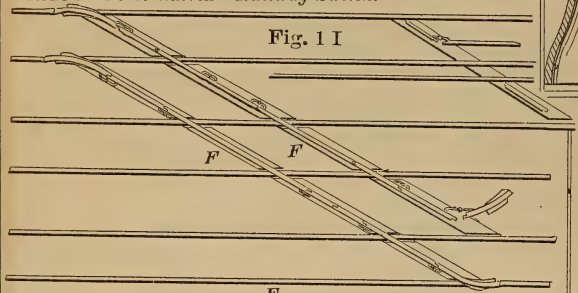
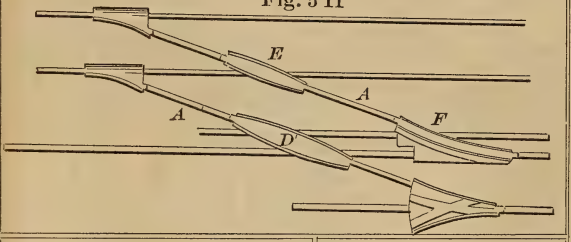
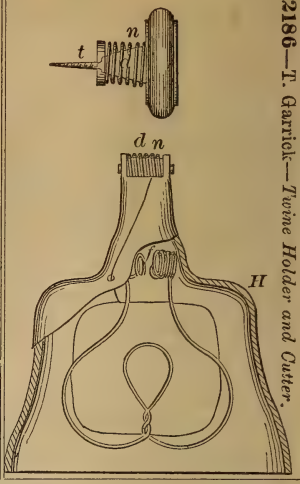


Fig. 21 Fig. 31

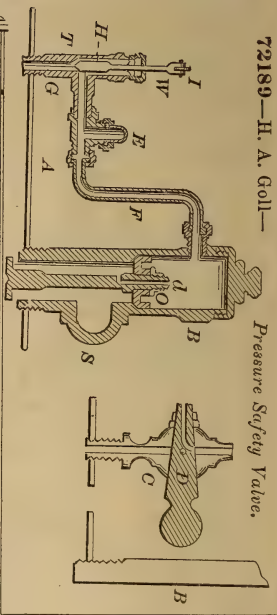
Fig. 5 II



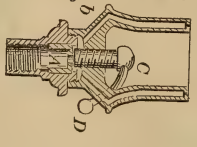
72186—T. Garrick—*Twine Holder and Cutter.*



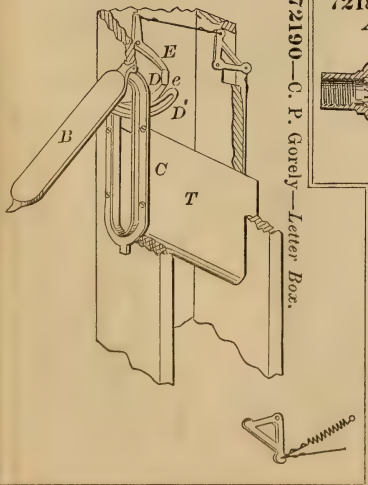
72189—H. A. Goll—*Pressure Safety Valve.*



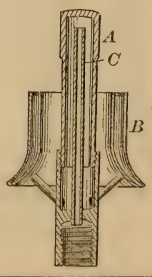
72187—E. P. Gleason—*Argand Burner.*



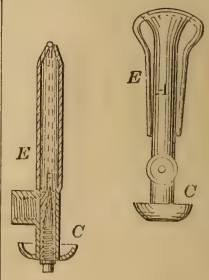
72190—C. P. Gorely—*Letter Box.*



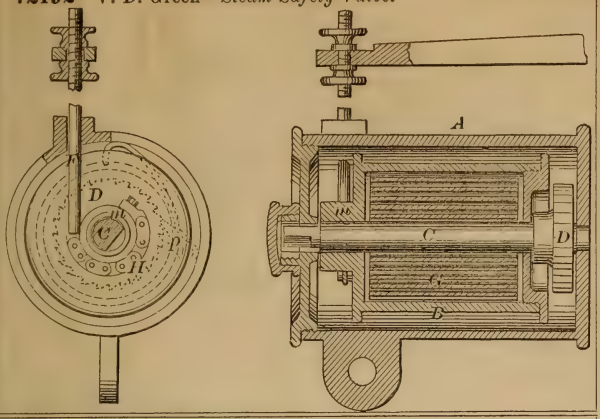
72188—E. P. Gleason—*Gas Heating Burner.*



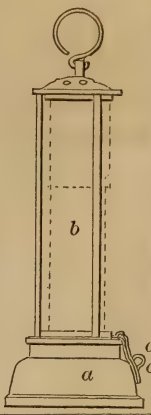
72191—L. A. Gouch—*Naphtha Burner.*



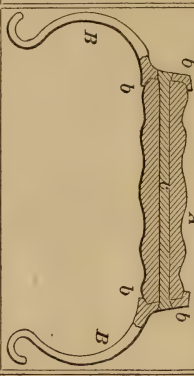
72192—V. D. Green—*Steam Safety Valve.*



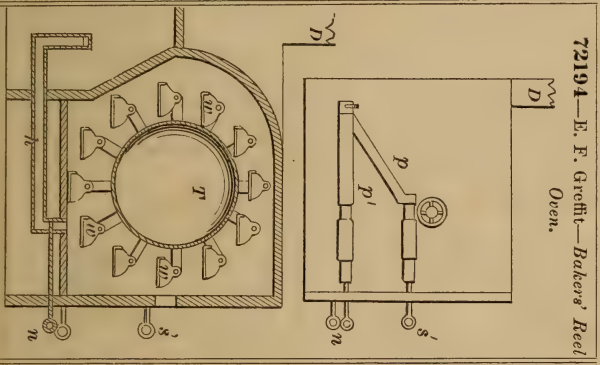
72196—J. Harding—*Lock Fastener for Lamps.*



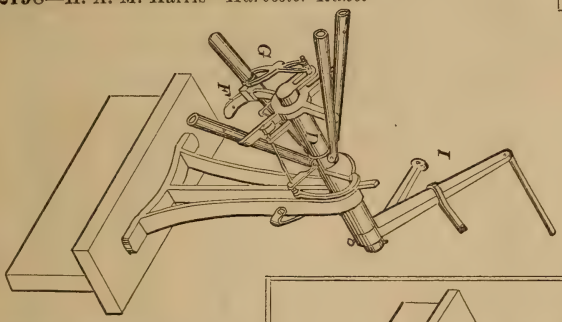
72195—W. Hailes—*Kettle Bail.*

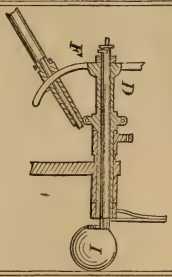


72194—E. F. Greffit—*Bakers' Reel Oven.*

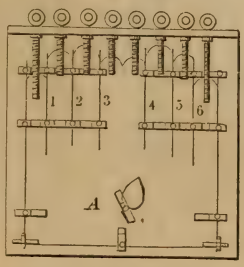


72198—H. A. M. Harris—*Harvester Rake.*

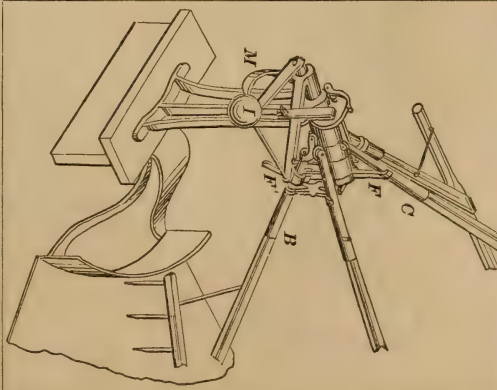




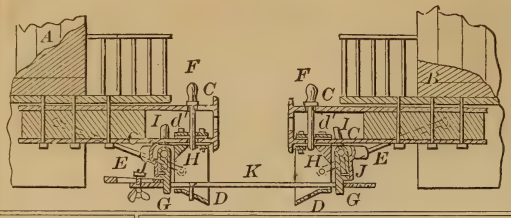
72197—Harlan & Pomeroy—*For Cutting out Gloves.*



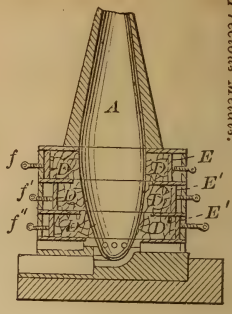
72199—H. A. M. Harris—*Harvester Rake.*



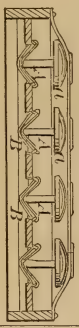
72200—A. Hillman—*Car Coupling.*



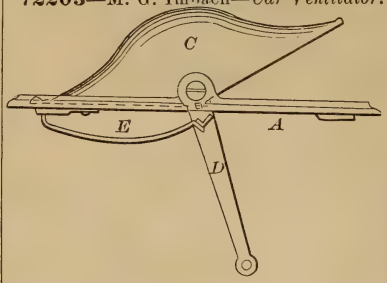
72201—H. G. Hubert—*Furnace for Smelting Precious Metals.*

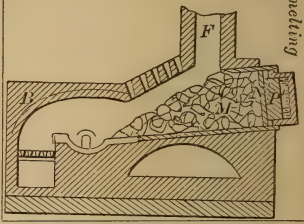


72202—F. A. Huntington—*Spring Bed Bottom.*

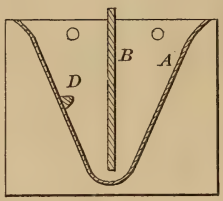


72203—M. G. Imbach—*Car Ventilator.*

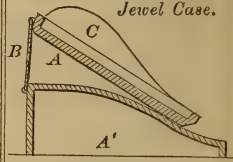




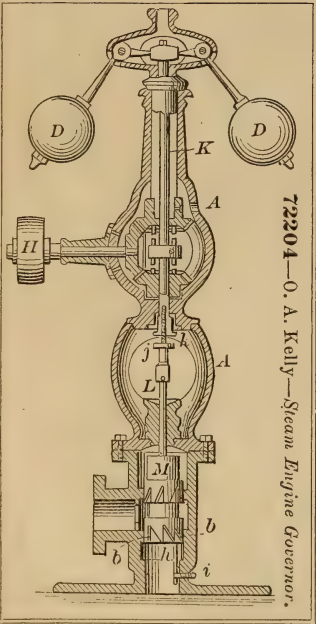
72205—W. C. Knight—*For Saving Precious Metals.*



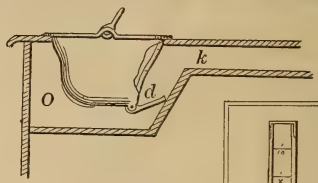
72206—G. F. Kolb—*Jewel Case.*



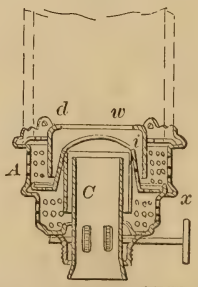
72204—O. A. Kelly—*Steam Engine Governor.*



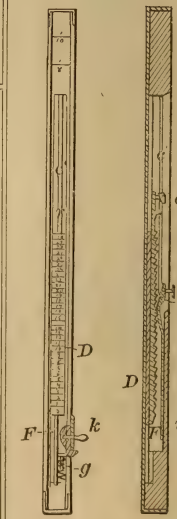
72207—Little & Bell—*Summer Furnace.*



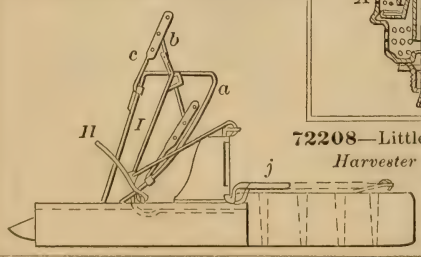
72209—J. C. Love—*Lamp Burner.*



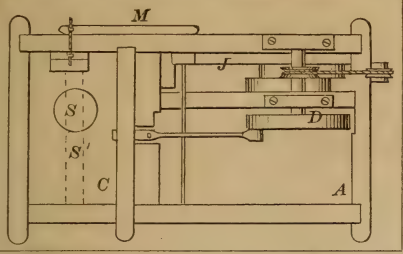
72210—Lupton & Talbot—*Registering Yard Stick.*



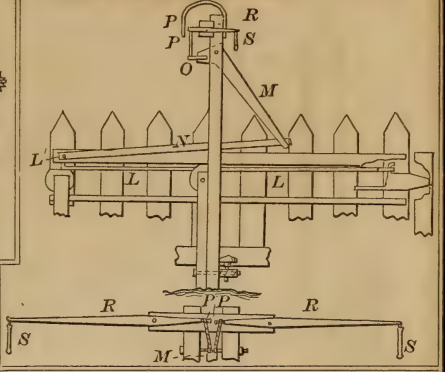
72208—Little & Gibbs—*Harvester Rake.*



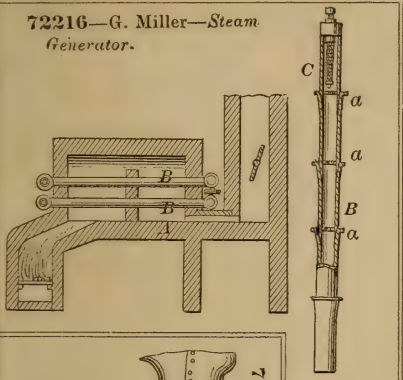
72211—C. C. Lyman—*Animal Trap.*



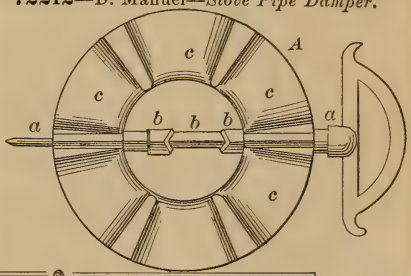
72213—J. M. May—*Gate.*



72216—G. Miller—*Steam Generator.*



72212—D. Manuel—*Stove Pipe Damper.*

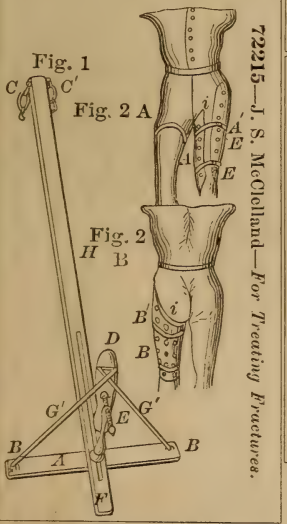


72215—J. S. McClelland—*For Treating Fractures.*

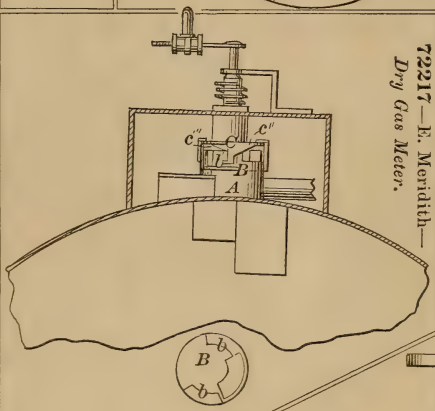
Fig. 1

Fig. 2 A

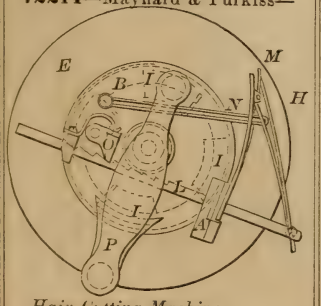
Fig. 2 B



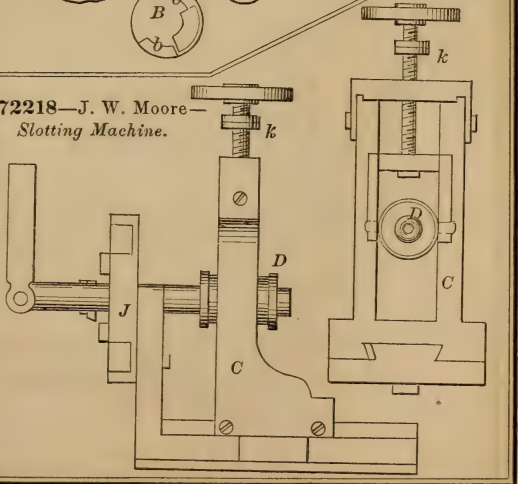
72217—E. Meridith—*Dry Gas Meter.*



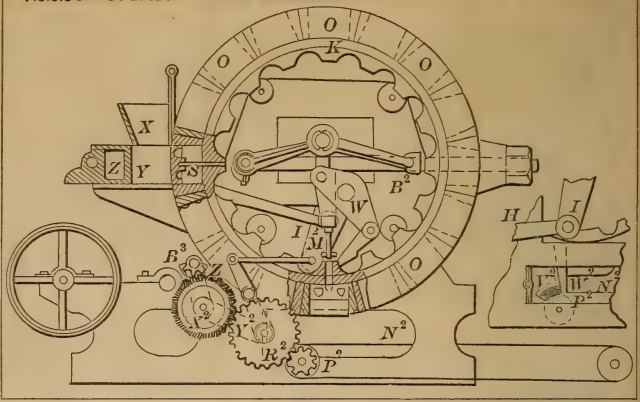
72214—Maynard & Purkiss—*Hair Cutting Machine.*



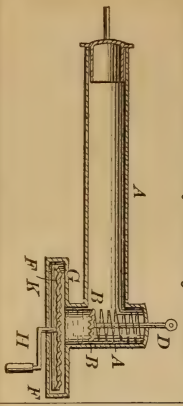
72218—J. W. Moore—*Slotting Machine.*



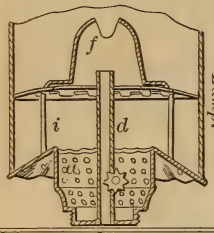
72220—J. North—*Brick Machine.*



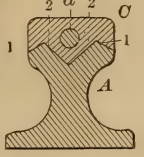
72223—Owen & Kelly—*Nutmeg Grater.*



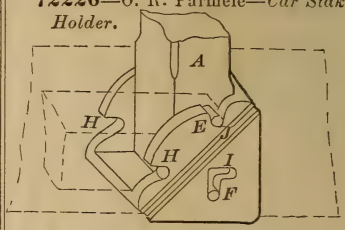
72219—G. Neilson—*Lamp.*



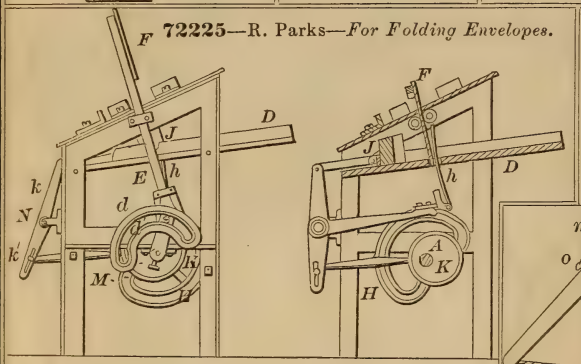
72222—C. Osgood—*Railroad Rail.*



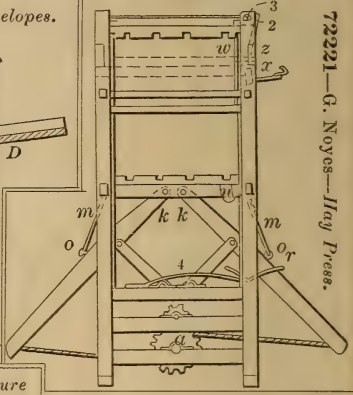
72226—O. R. Parmele—*Car Stake Holder.*



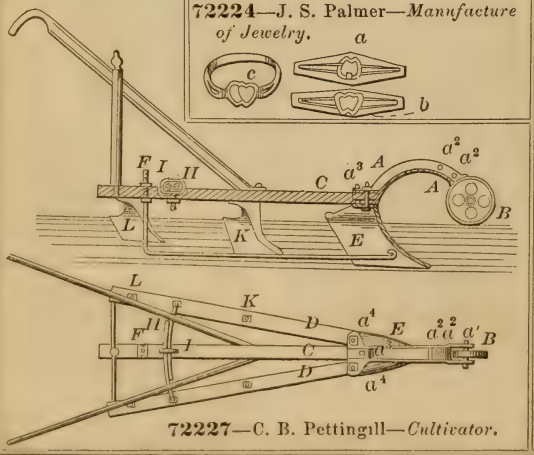
72225—R. Parks—*For Folding Envelopes.*



72221—G. Noyes—*Hay Press.*

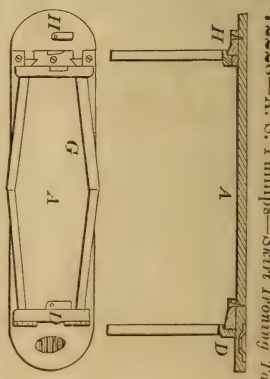


72224—J. S. Palmer—*Manufacture of Jewelry.*

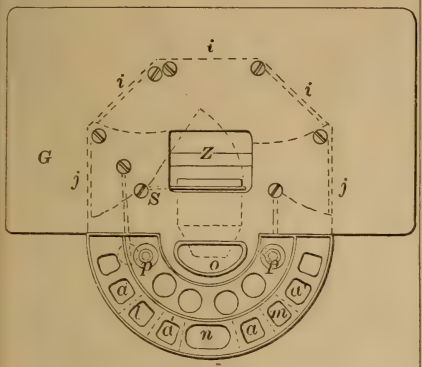


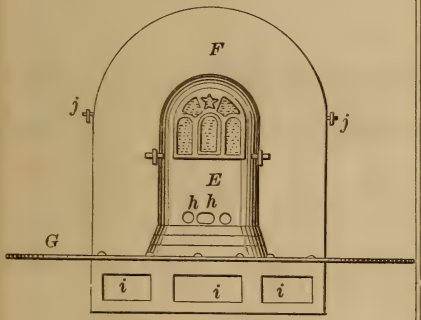
72227—C. B. Pettingill—*Cultivator.*

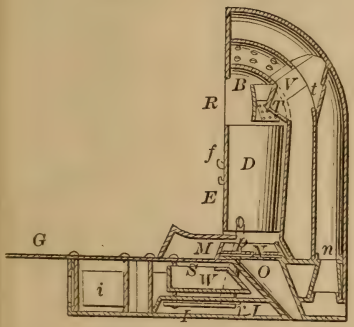
72228—A. S. Phillips—*Skirt Ironing Table.*



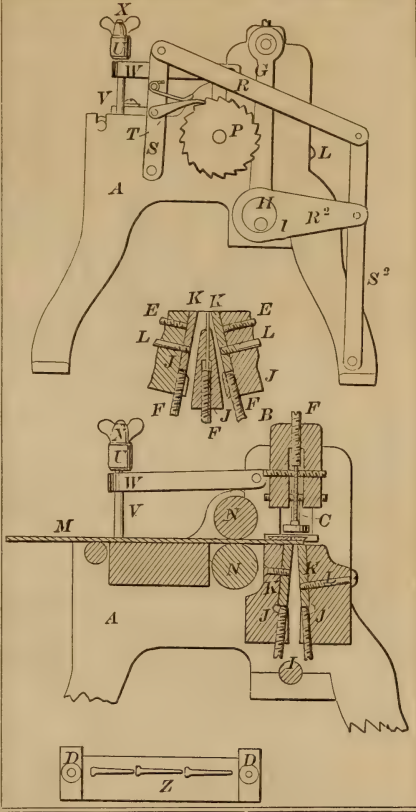
72229—C. R. Rand—*Heating Furnace.*



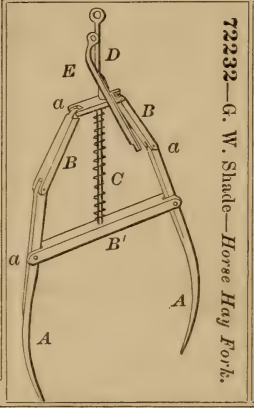




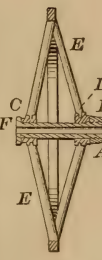
72230—B. Robinson—*For Making Nails.*



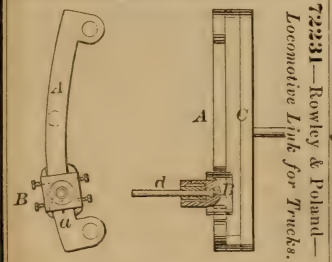
72232—G. W. Shade—*Horse Hay Fork.*



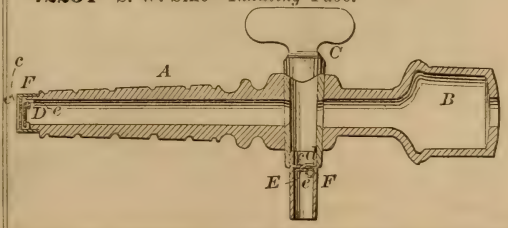
72233—E. G. Simmons—*Carriage Wheel.*



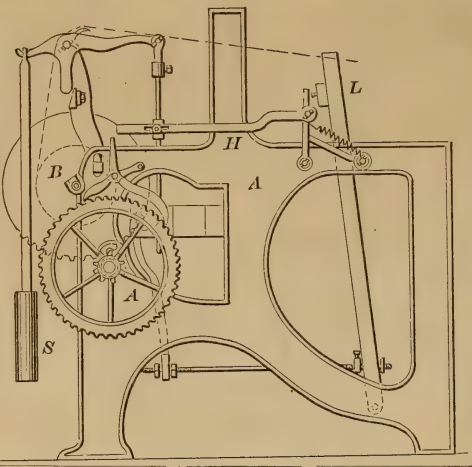
72231—Rowley & Poland—*Locomotive Link for Trucks.*



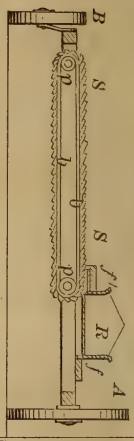
72234—S. W. Sine—*Inhaling Tube.*



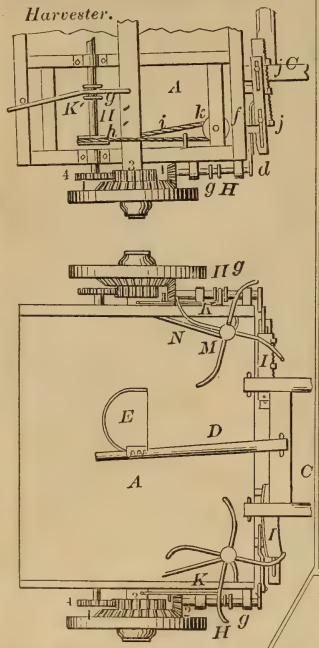
72235—G. Smith—*Let-off Motion for Looms.*



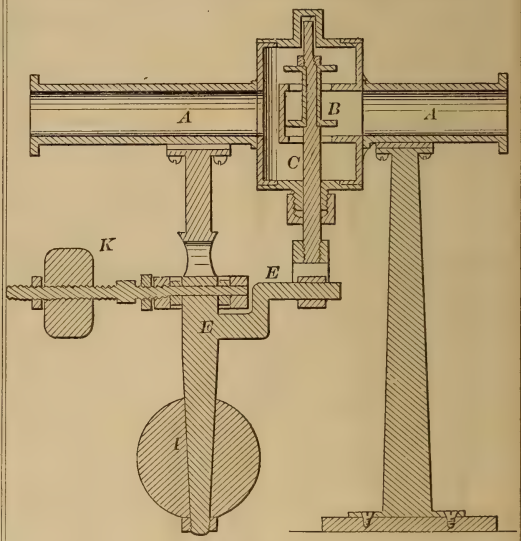
72238—G. H. Spaulding—*Harvester.*



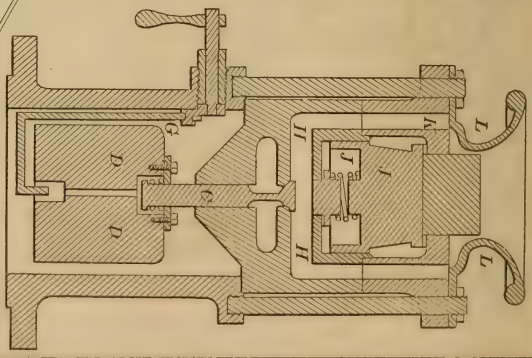
72236—H. L Smith—*Corn Harvester.*



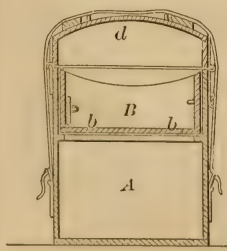
72239—J. Sullivan—*Marine Engine Governor.*



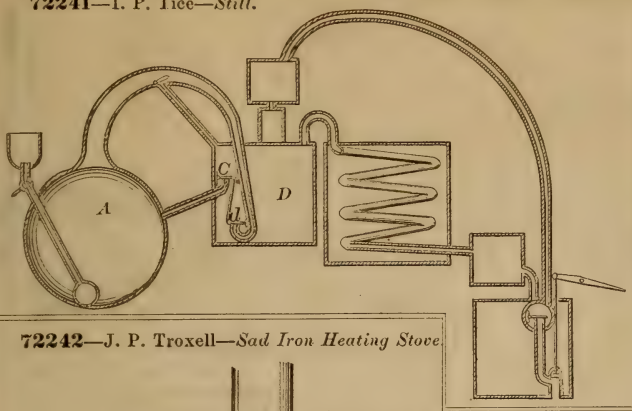
72240—Taylor & Coale—*Steam Generator Safety Valve.*



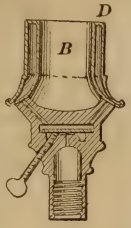
72237—T. Smith—*Trunk.*



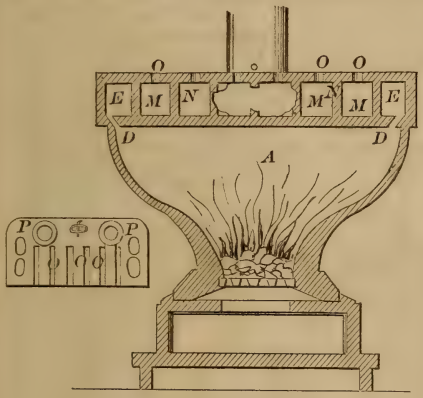
72241—I. P. Tice—*Still.*



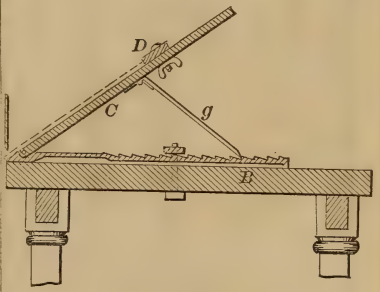
72244—E. R. Walker—*Argand Burner.*



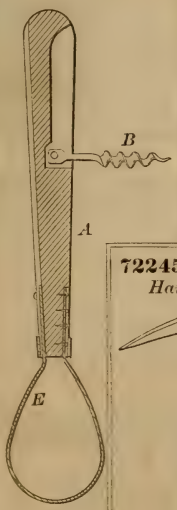
72242—J. P. Troxell—*Sad Iron Heating Stove.*



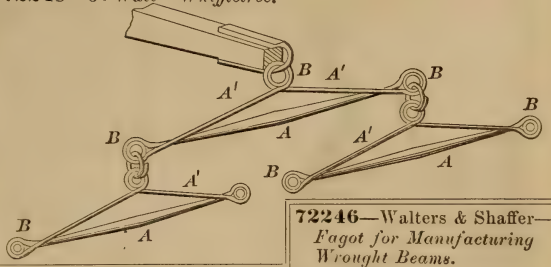
72243—H. L. Turny—*Book Binders' Beveling Machine.*



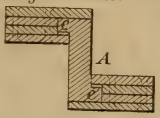
72247—W. G. Waterman—*Cork Extractor.*



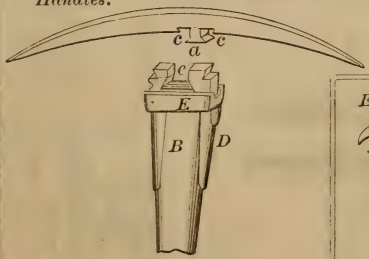
72248—G. Watt—*Whiffletree.*



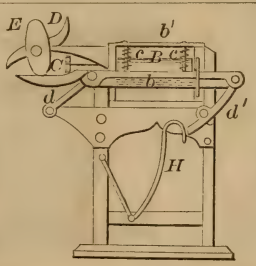
72246—Walters & Shaffer—*Fagot for Manufacturing Wrought Beams.*



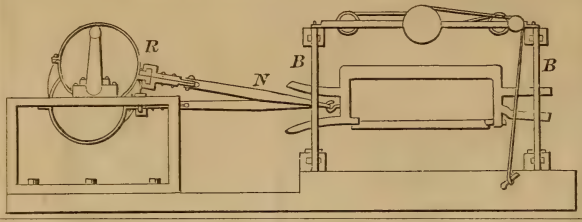
72245—J. P. Walsh—*Attaching Picks to Handles.*



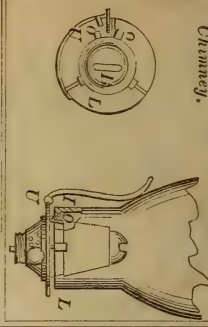
72249—J. Weichart—*Straw Cutter.*



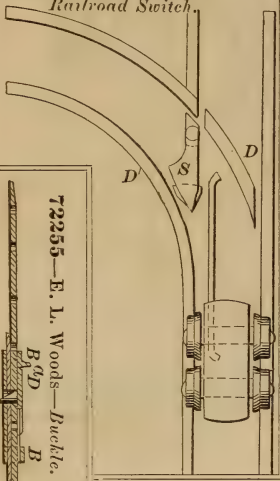
72250—Wheeler & Stevens—*Marble Cutting Machine.*



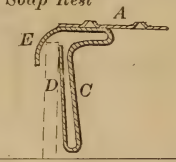
72253—J. D. Willoughby—*Lamp Chimney.*



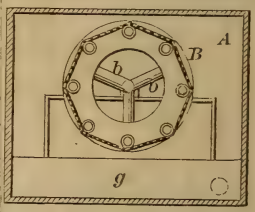
72251—J. M. Whiting—*Railroad Switch.*



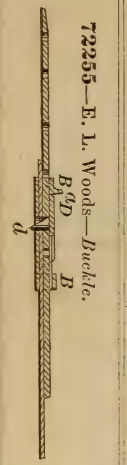
72252—J. Whittemore—*Soap Rest*



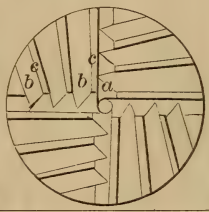
72254—J. E. Winants—*For Melting Crude Turpentine.*



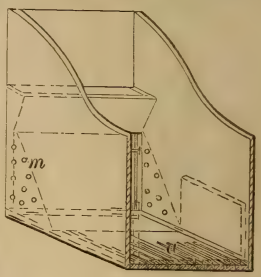
72255—E. L. Woods—*Buckle.*



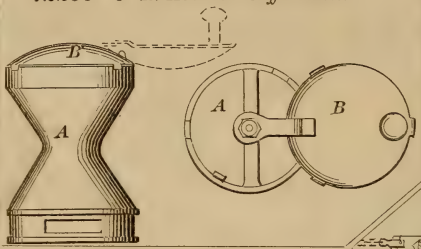
72256—N. W. Wortham—*Mill Stone Dress.*



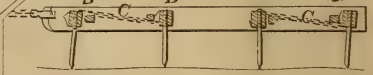
72257—L. B. F. Zitkor—*Cattle Stall.*



72259—J. R. Adams—*Coffee Mill.*

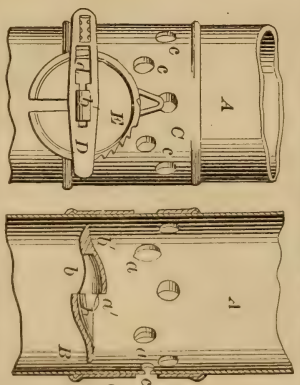


72260—J Aikin—*Harrow.*

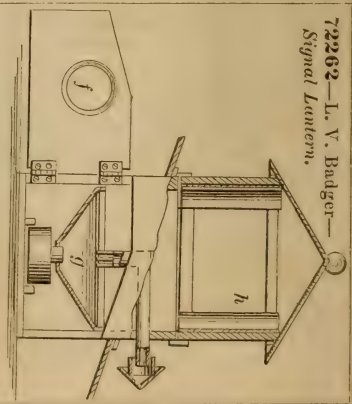


72258—C. R. Abbot—*Steam Pipe.*

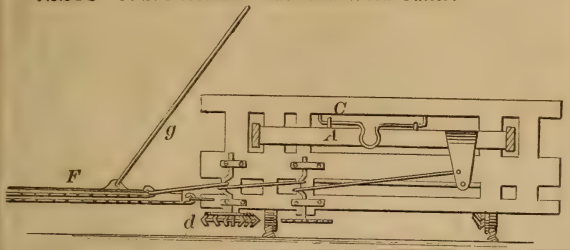
72261—A. Anderson—*Damper and Ventilator.*



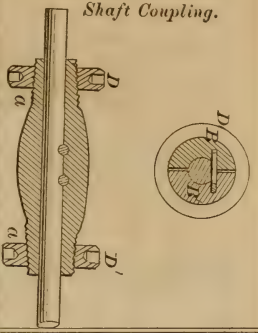
72262—L. V. Badger—*Signal Lantern.*



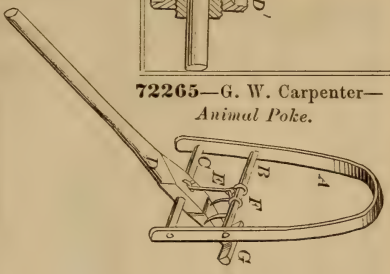
72263—J. S. Boicourt—*Railroad Weed Cutter.*



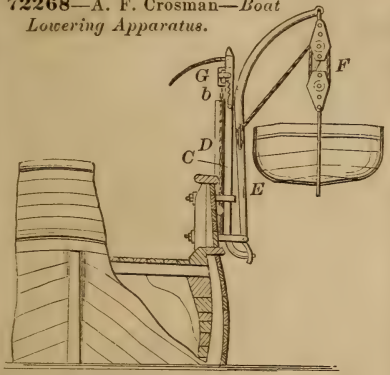
72264—M. C. Boyer—*Shaft Coupling.*



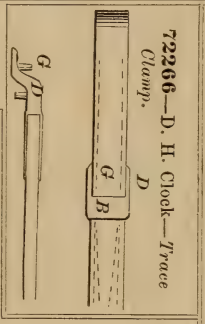
72265—G. W. Carpenter—*Animal Poke.*



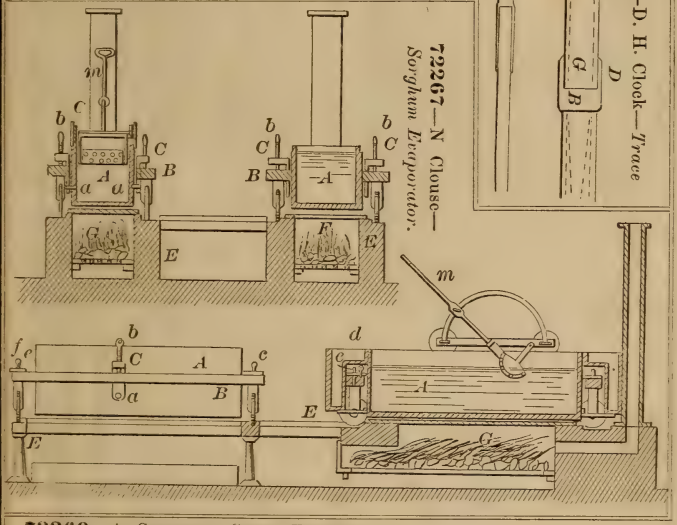
72268—A. F. Crosman—*Boat Lowering Apparatus.*

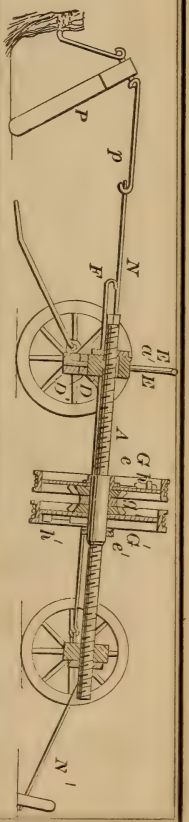


72266—D. H. Clock—*Trace Clamp.*

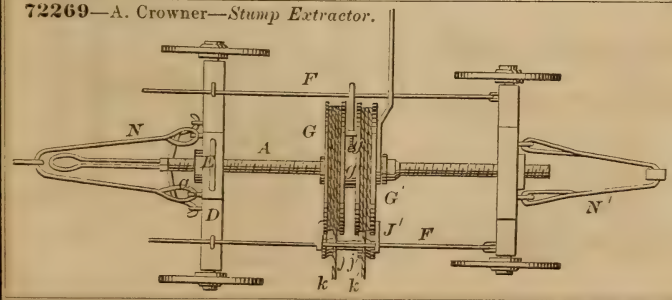


72267—N. Clouse—*Sorghum Evaporator.*

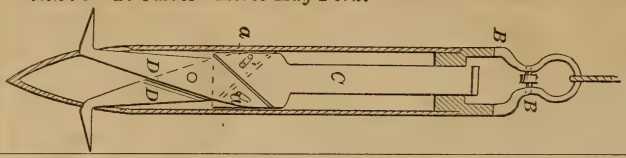




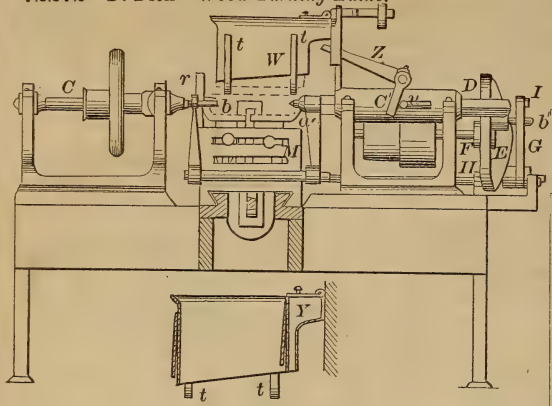
72269—A. Crowner—*Stump Extractor.*

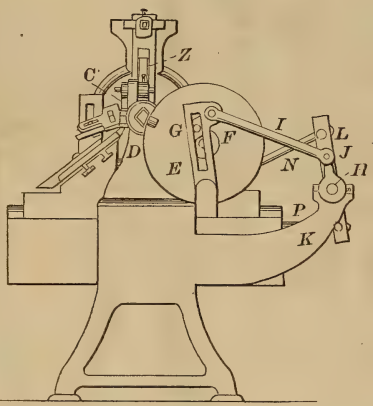


72270—F. Culver—*Horse Hay Fork.*



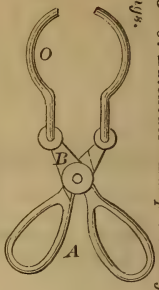
72272—D. Dick—*Wood Turning Lathe.*



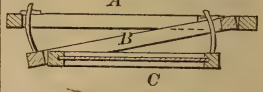


72271—P. D. Cummings—*Needle Case.*

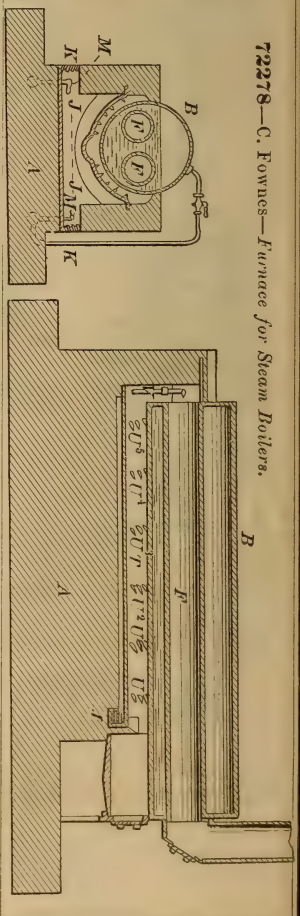
72275—J. Eutenener—*Lamp Chimney Tongs.*



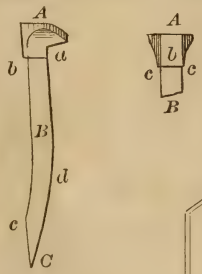
72274—W. B. Dunning—*Car Ventilator.*



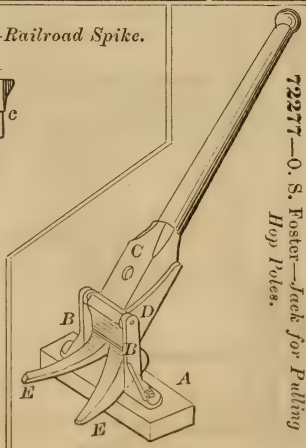
72278—C. Fownes—*Furnace for Steam Boilers.*



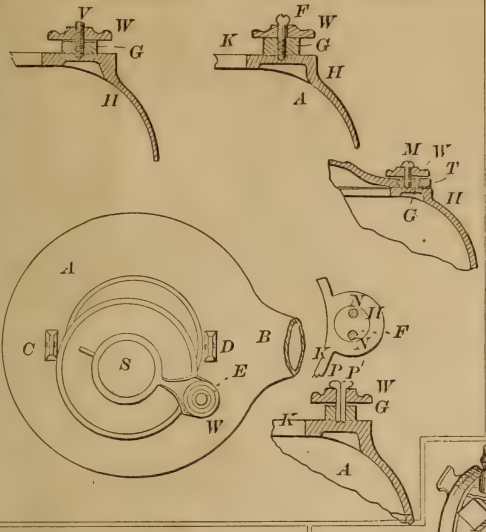
72276—M. Foster—*Railroad Spike.*



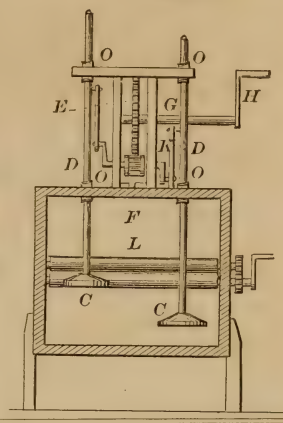
72277—O. S. Foster—*Jack for Pulling Hop Poles.*



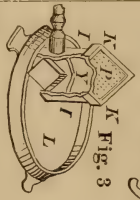
72279—C. Fownes—*Hinging Tea Kettle Covers.*

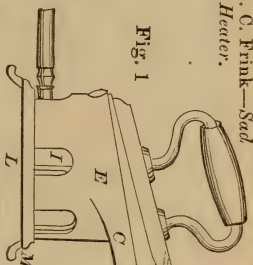


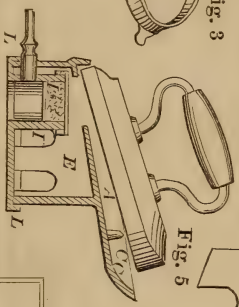
72281—T. Q. Frost—*Washing Machine.*

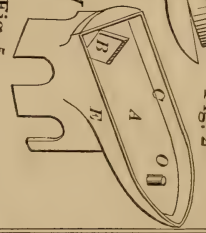


72280—S. C. Frink—*Sad Iron Heater.*

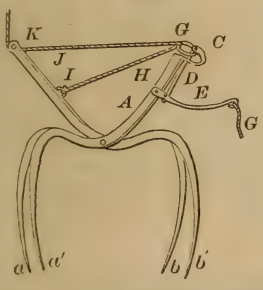




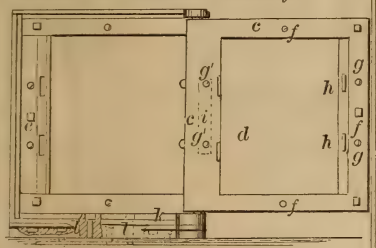


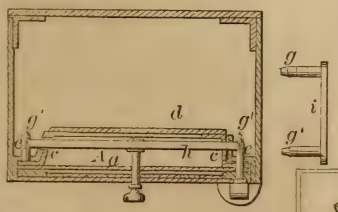


72282—W. B. Gabel—*Horse Hay Fork.*

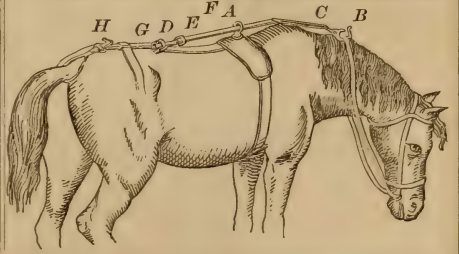


72283—W. Gardner—*Iron Safe.*

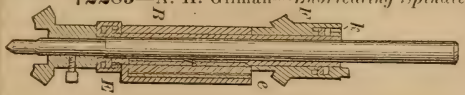




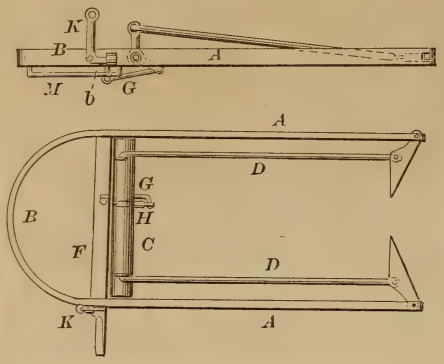
72284—M. A. Gates—*Check Rein Attachment.*



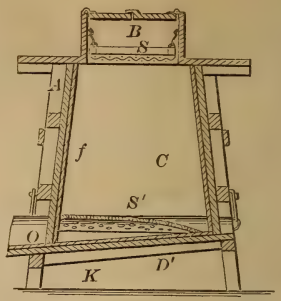
72285—A. H. Gilman—*Lubricating Spindles.*



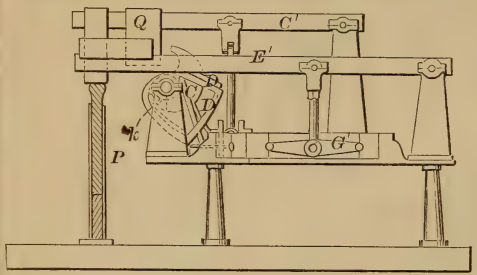
72286—J. S. Gochnauer—*Horse Hay Fork.*

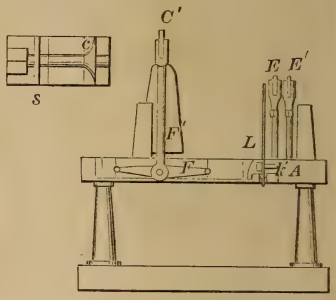


72290—M. Hall, Jr.—*Ash House.*

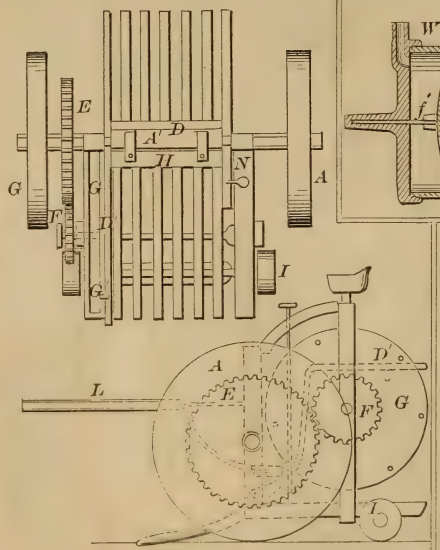


72288—R. Gracey—*Bolt Heading Machine.*

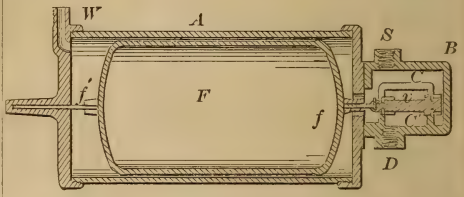




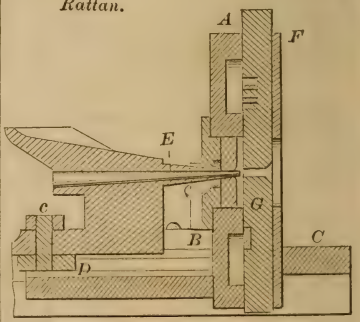
72289—E. V. W. Griffith—*Potato Digger.*



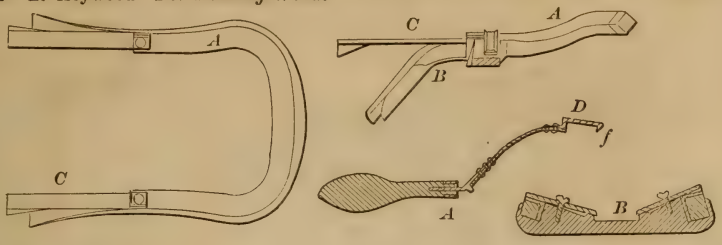
72287—R. Gornall—*Valve for Boiler Feeders.*



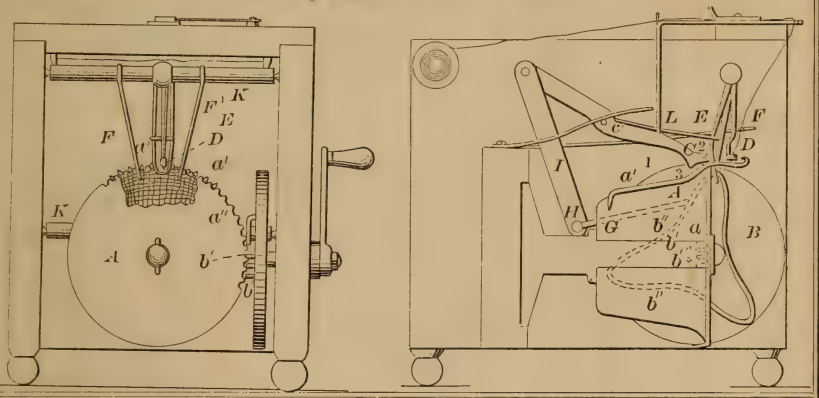
72291—L. Heywood—*For Splitting Rattan.*



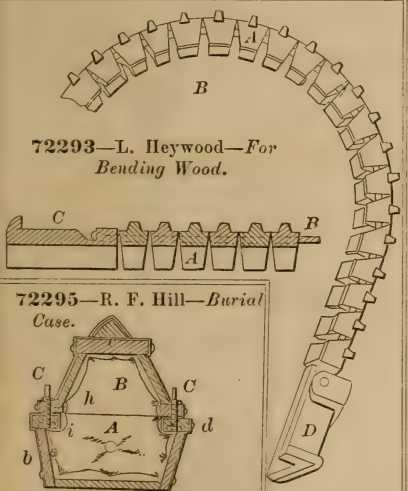
72292—L. Heywood—*For Bending Wood.*



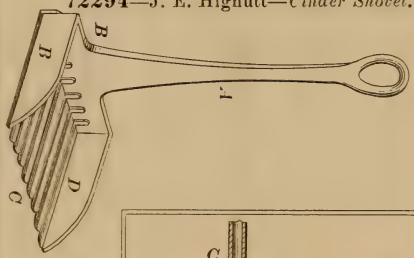
72296—W. H. H. Hollen—*Knitting Machine.*



72293—L. Heywood—*For Bending Wood.*

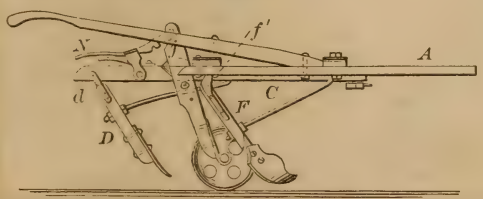


72294—J. E. Hignutt—*Cinder Shovel.*

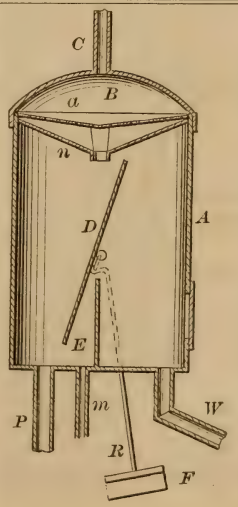


72295—R. F. Hill—*Burial Case.*

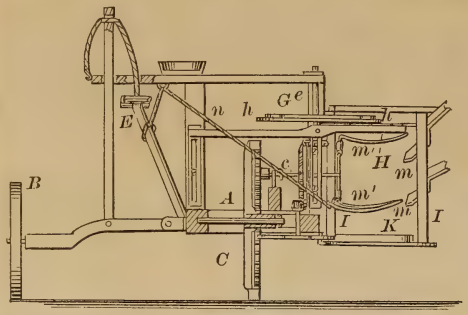
72297—H. Howe—*Cultivator.*



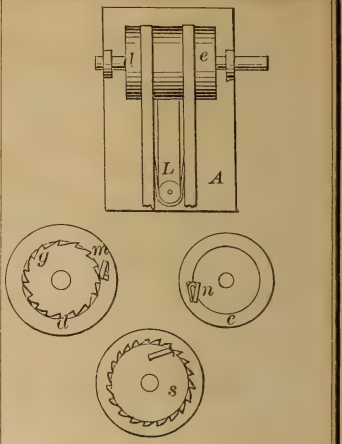
72298—J. B. Hudson—*Automatic Rein Conductor.*



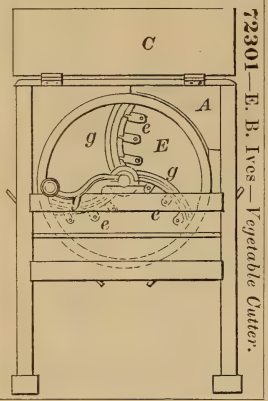
72299—J. W. Hull—*For Trimming Hedges.*



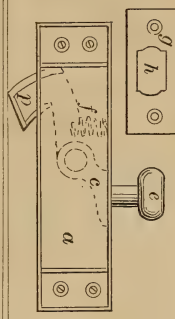
72300—E. Hutson—*Foot Power*



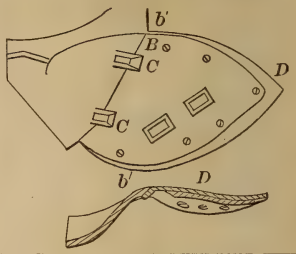
72301—E. B. Ives—*Vegetable Cutter.*



72302—C. C. Jones—*Door Bolt.*



72305—S. J. Leach—*Plow.*

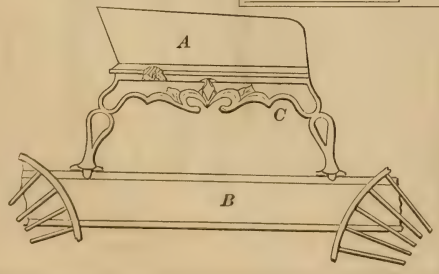


72306—G Leas—*Lamp Chimney Cleaner.*

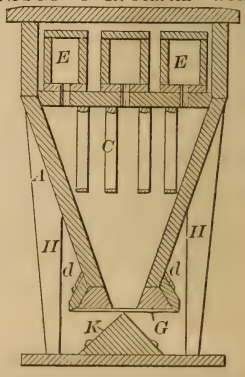
72304—M. J. Laird—*Horse Hay Fork.*

72303—G. F. Krollpfeiffer—*Sled.*

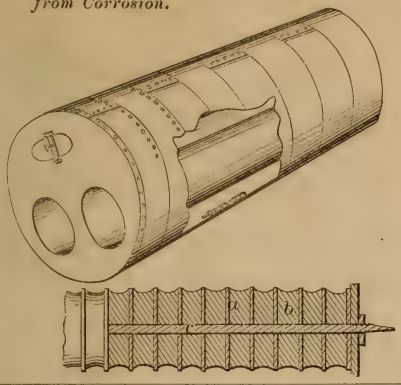
72307—J. R. D. V. Linton
Vehicle Seat.



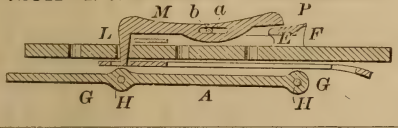
72308—J R. Martin—*Beehive.*



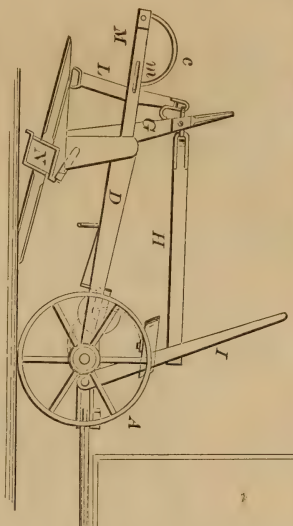
72309—D. Matthew—*Protecting Steam Boilers from Corrosion.*



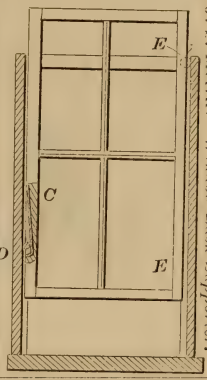
72311—I. C. McAllaster—*Trace Fastener.*



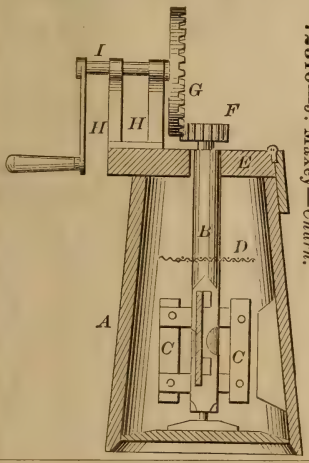
72315—M. Miles—*Horse Rake.*



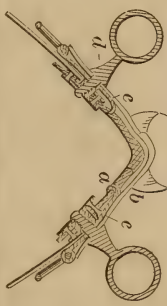
72314—J. S. Merrill—*Window Sash Supporter.*



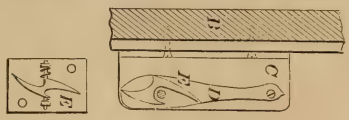
72310—J. Maxey—*Churn.*



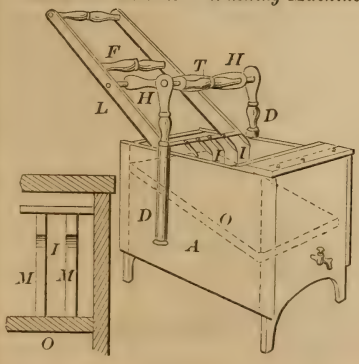
72312—D. L. McGregor—*Back Band Fastener.*



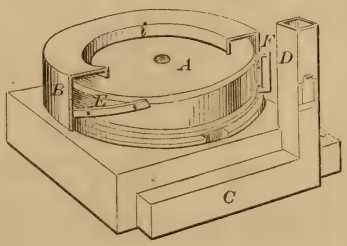
72313—J. N. McIntire—*Sash Stopper.*



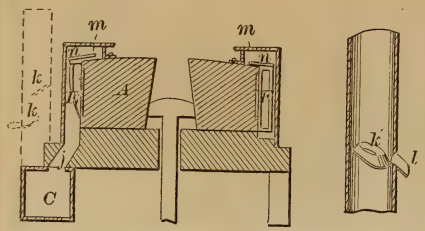
72316—J. Mitchell—*Washing Machine.*



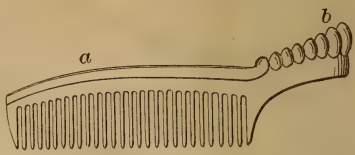
72317—C. Moegling—*Flour Mill Ventilator.*



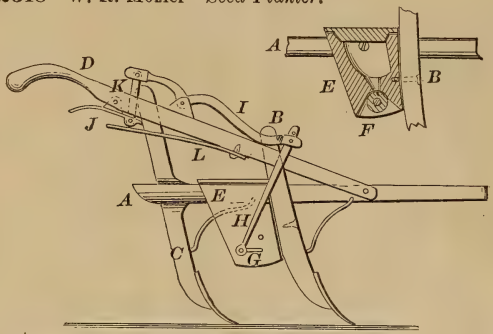
72317—*Continued.*



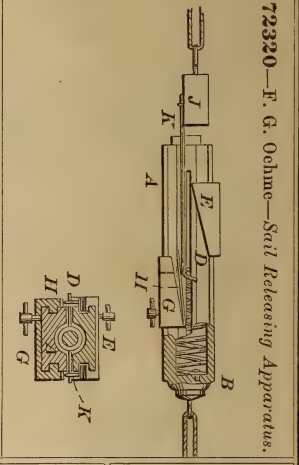
72324—W. Pauly—*Comb.*



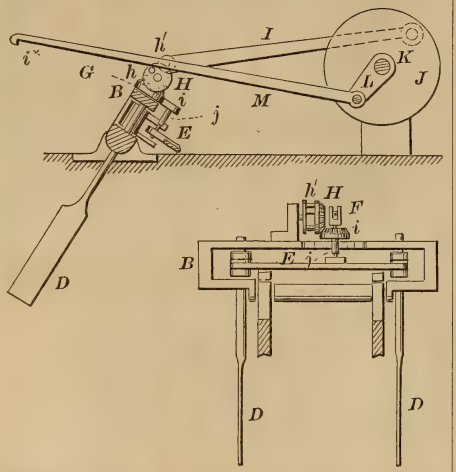
72318—W. R. Mozier—*Seed Planter.*



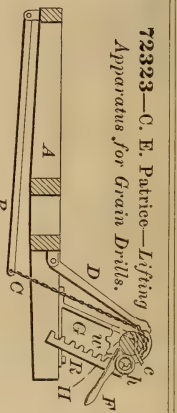
72320—F. G. Oehme—*Sail Releasing Apparatus.*



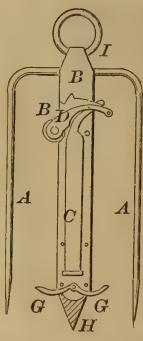
72319—N. Nolan—*Propeller.*



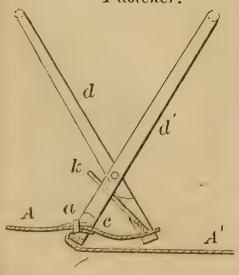
72323—C. E. Patrice—*Lifting Apparatus for Grain Drills.*



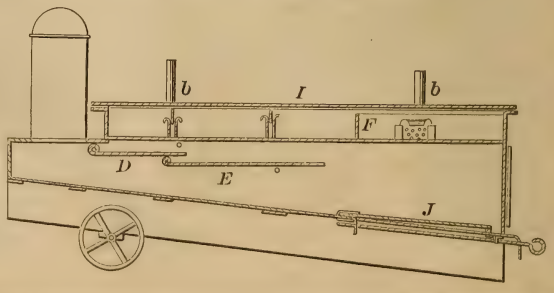
72321—S. Page—*Horse Hay Fork.*



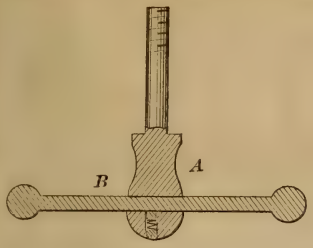
72325—C. O. Pike—*Belt Fastener.*



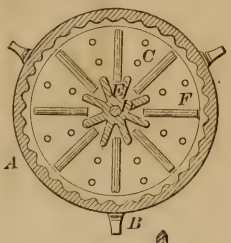
72326—H. A. Plumb—*Portable Evaporator.*

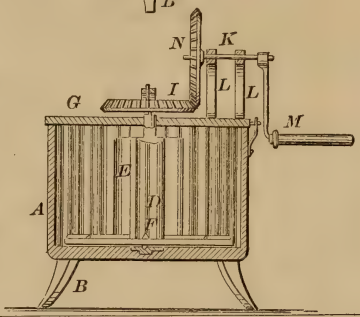


72327—H. K. & T. W. Porter—*Vise.*

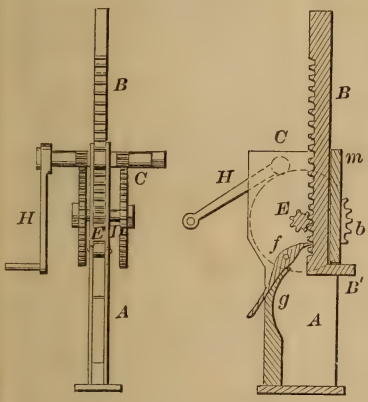


72328—Reneky & Keiss—*Washing Machine.*

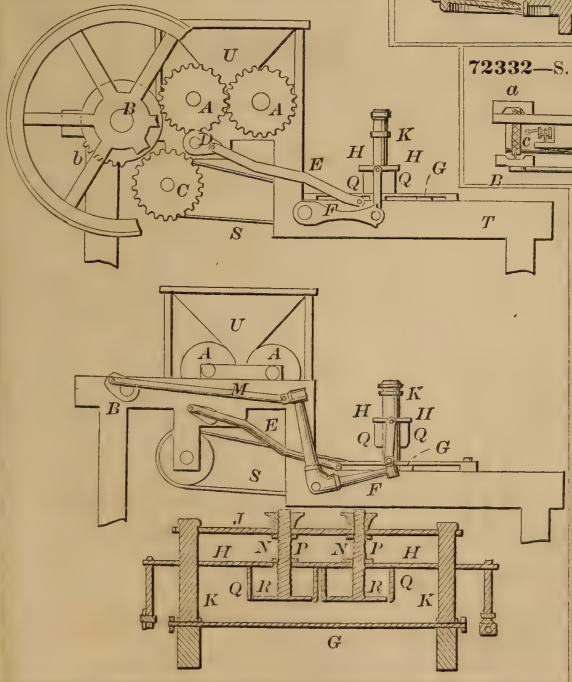




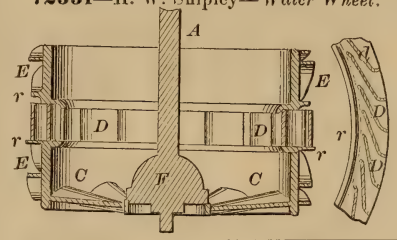
72329—S. B. Rittenhouse—*Hoisting Jack.*



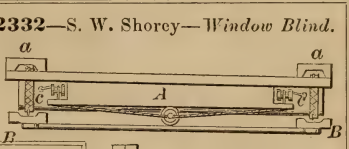
72330—W. F. Shanks—*Brick Machine.*

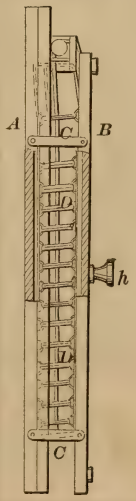


72331—H. W. Shipley—*Water Wheel.*

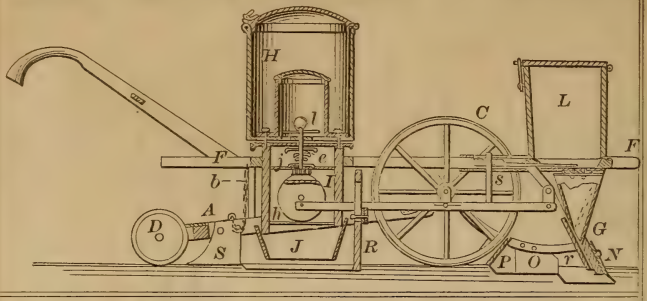


72332—S. W. Shorey—*Window Blind.*

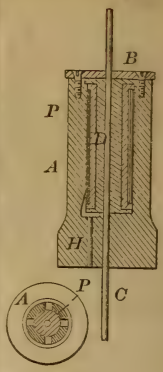




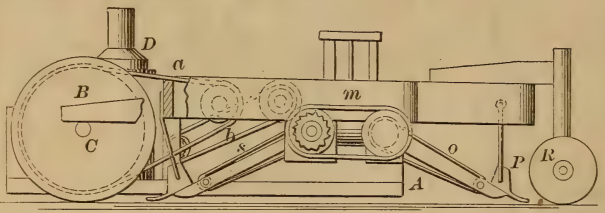
72333—J. Stark—*Seed Planter.*



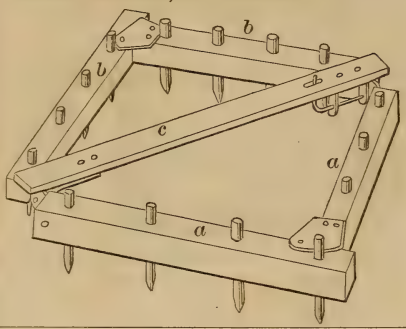
72340—S. S. Turner—*Piston Rod Packing.*

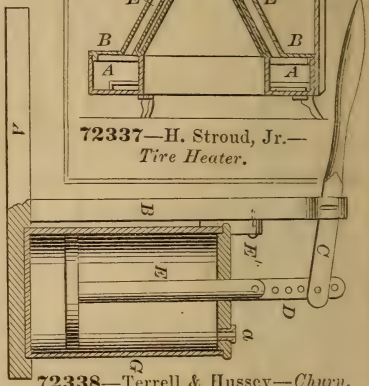


72336—B. T. Stowell—*Excavator.*



72334—N. Starr, Jr.—*Harrow.*

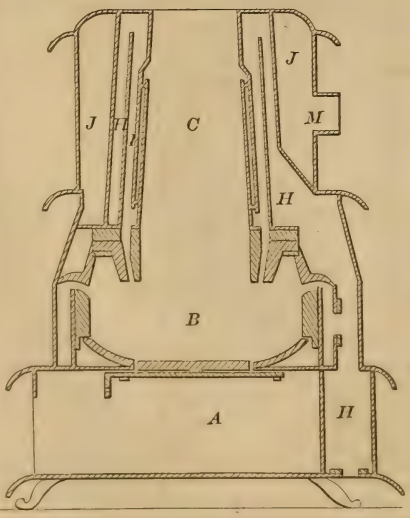




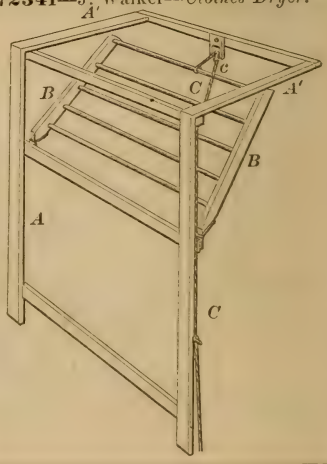
72337—H. Stroud, Jr.—*Tire Heater.*

72338—Terrell & Hussey—*Churn.*

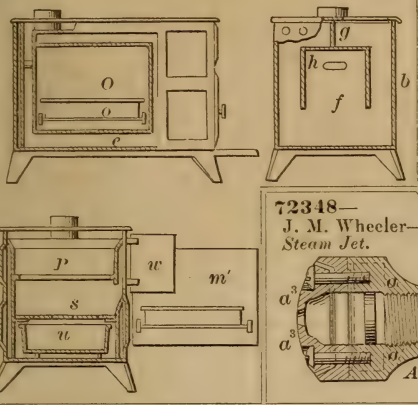
72339—J. Tiffany—*Base Burning Stove.*



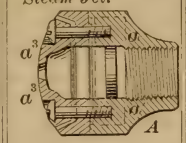
72341—J. Walker—*Clothes Dryer.*



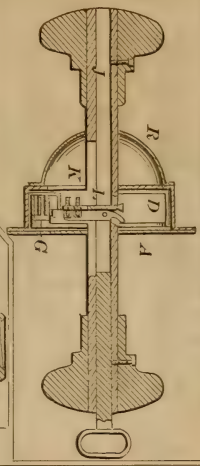
72342—G. W. Walker—*Cooking Stove.*



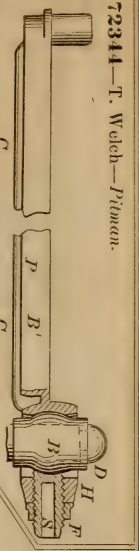
72348—J. M. Wheeler—*Steam Jet.*



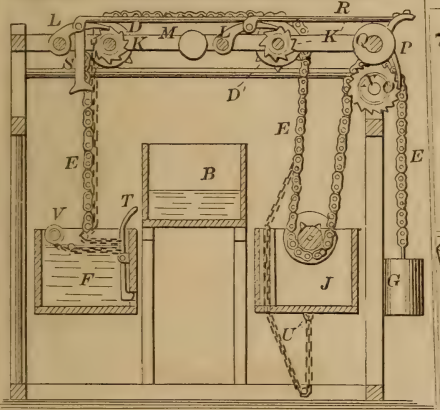
72347—J. Wertsbaugher—*Locking Knob Latch.*



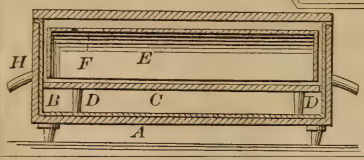
72344—T. Welch—*Pitman.*

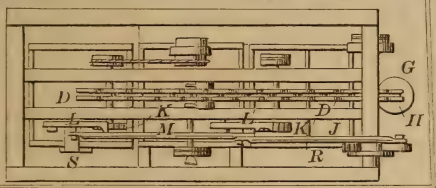


72343—P. Week—*Tidal Water Elevator.*

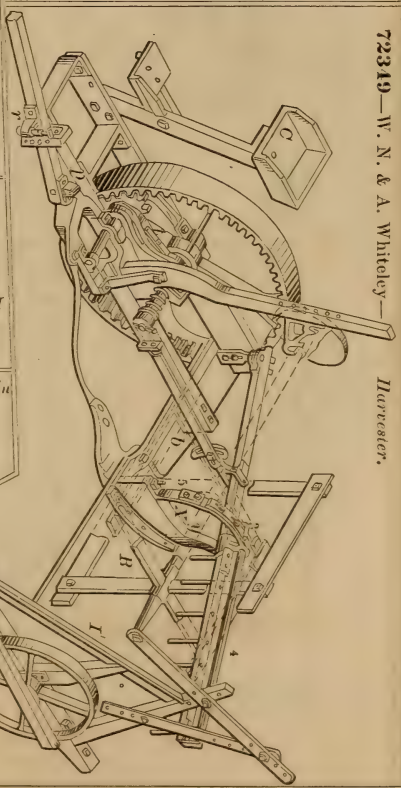


72346—P. Windhiser—*Box For Preserving Corpses.*

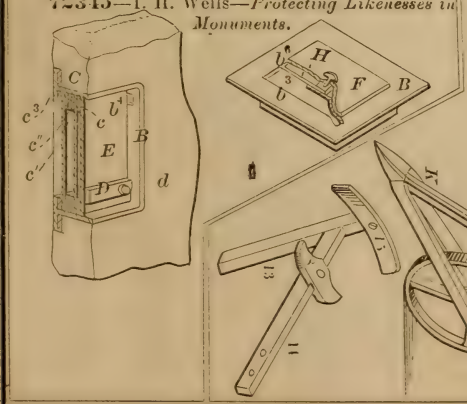




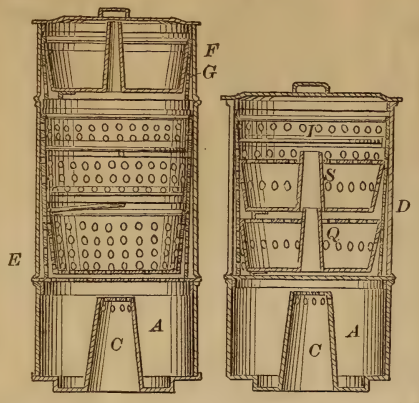
72349—W. N. & A. Whiteley—*Harvester.*



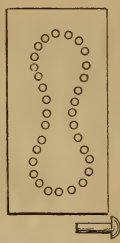
72345—I. H. Wells—*Protecting Likenesses in Monuments.*



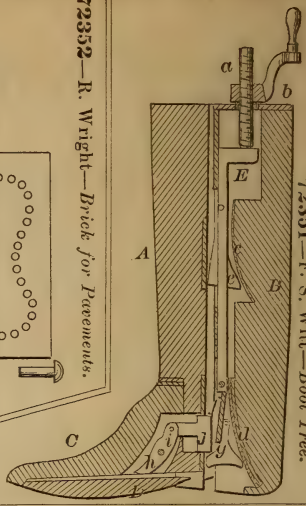
72354—J. Zimmerman—*Culinary Boiler.*



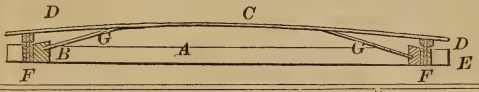
72352—R. Wright—*Brick for Pavements.*



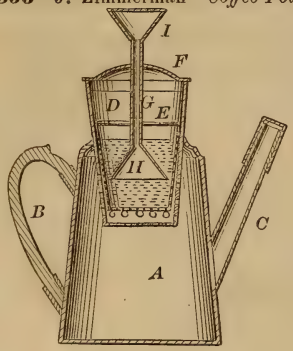
72351—F. S. Witt—*Boot Tree.*



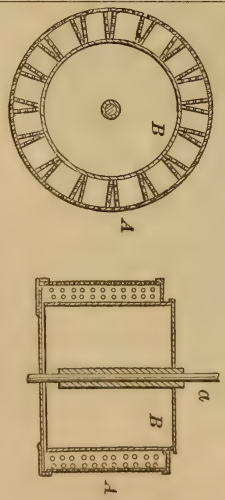
72350—G. Widdecomb—*Spring Bed Bottom.*



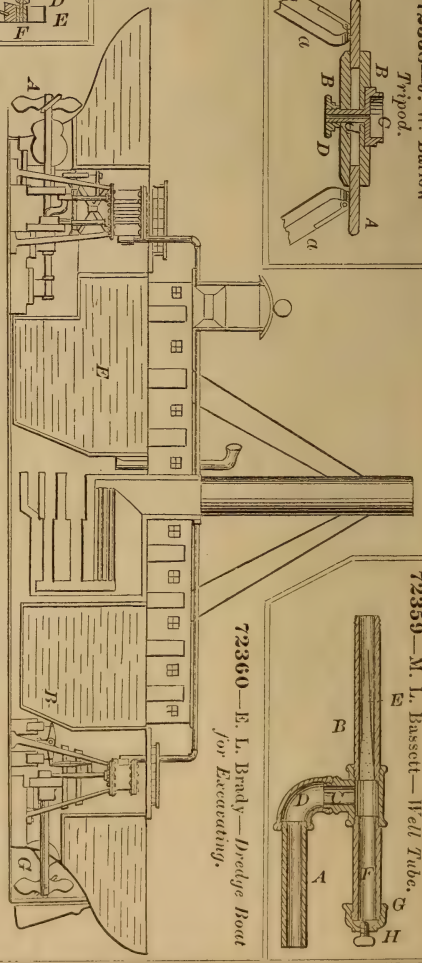
72353—J. Zimmerman—*Coffee Pot.*



72357—C. W. Baldwin—*For Preparing Peat.*



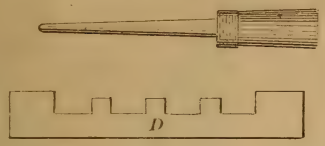
72358—J. W. Barlow—*Tripod.*

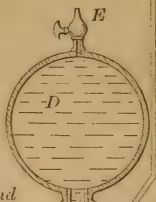


72359—M. L. Bassett—*Well Tube.*

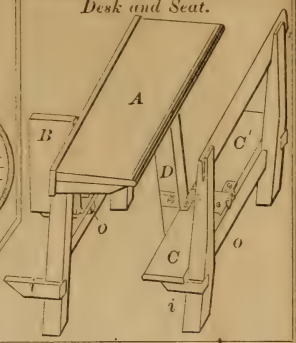
72360—E. L. Brady—*Dredge Boat for Excavating.*

72364—J. F. Canning—*Binder for Paint Brushes.*

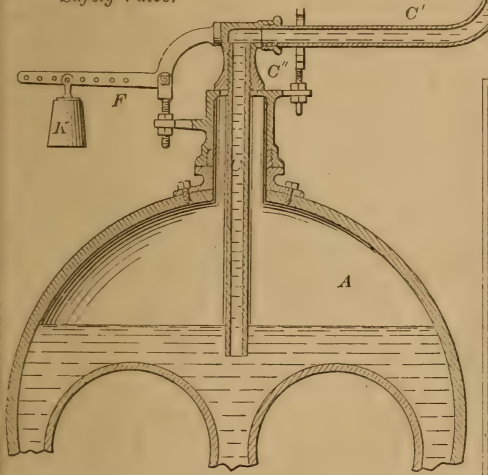




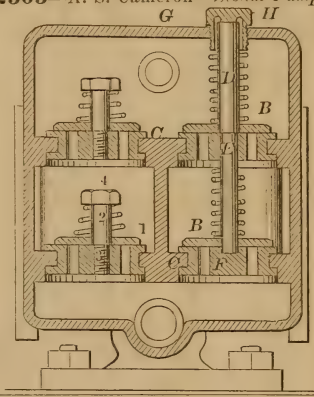
72367—C. T. Chase—*School Desk and Seat.*



72361—C. Burley—*Low Water Indicator and Safety Valve.*

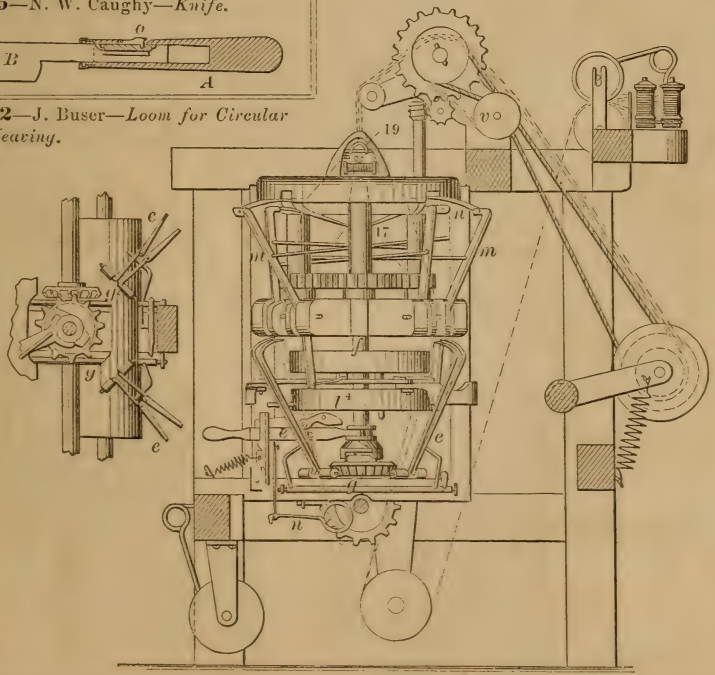


72363—A. S. Cameron—*Steam Pump.*

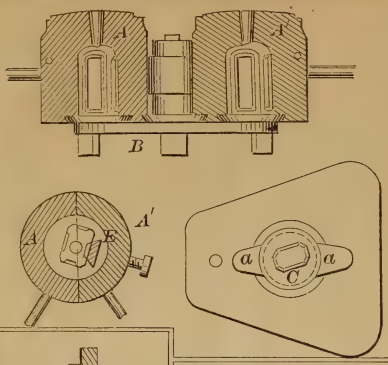


72365—N. W. Caughy—*Knife.*

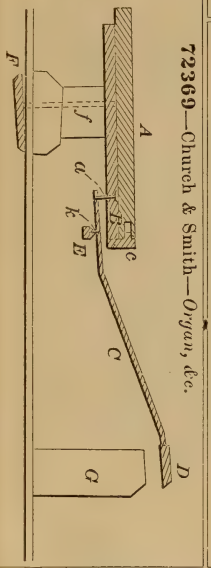
72362—J. Buser—*Loom for Circular Weaving.*



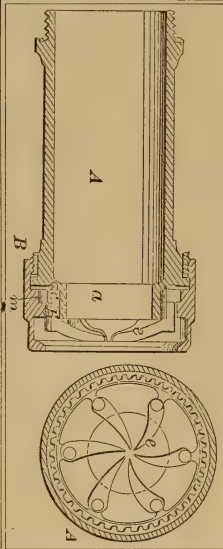
72368—J. J. Christie—*Glass Bottle Mould.*



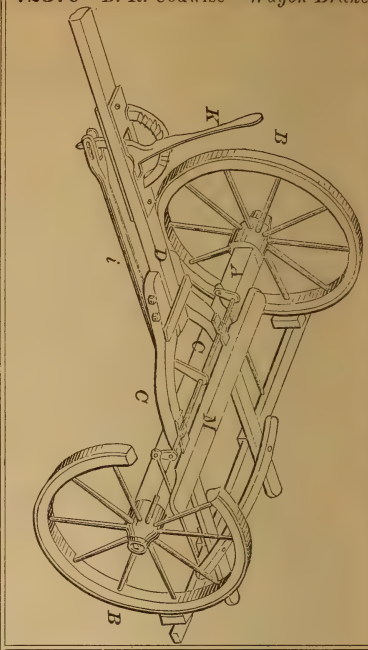
72369—Church & Smith—*Organ, &c.*



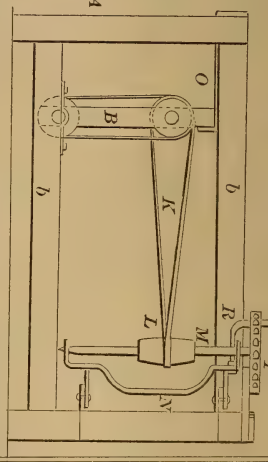
72372—Curtis & Harris—*Hose Nozzle.*



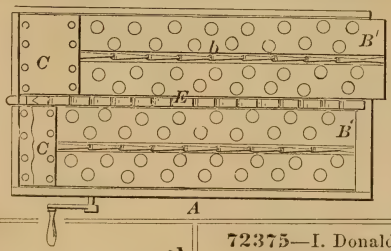
72370—B. R. Codwise—*Wagon Brake.*



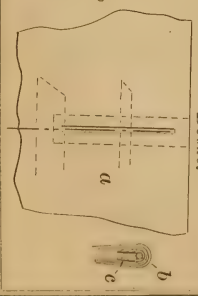
72371—E. Coffin—*For Rounding Corners of Slate Frames.*



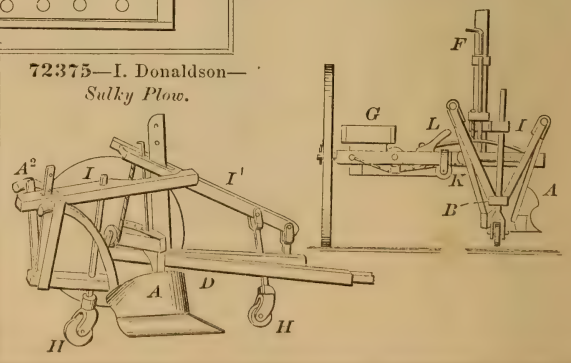
72374—L. H. Davis—*Grain and Straw Separator.*



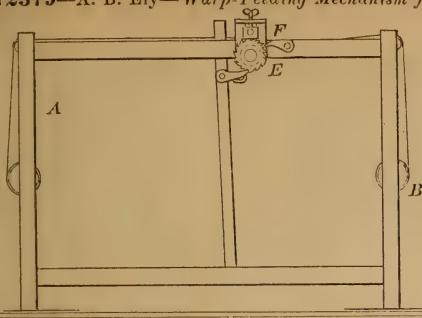
72373—W. Daniels—*Binding Books.*



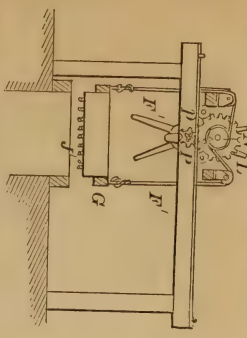
72375—I. Donaldson—*Sulky Plow.*



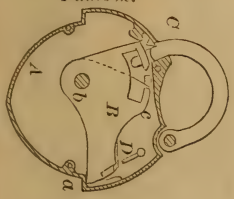
72379—A. B. Ely—*Warp-Feeding Mechanism for Looms.*



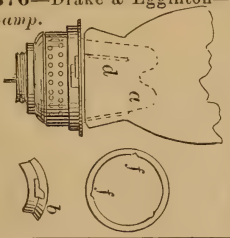
72381—C. N. Farnam—*For Tanning.*



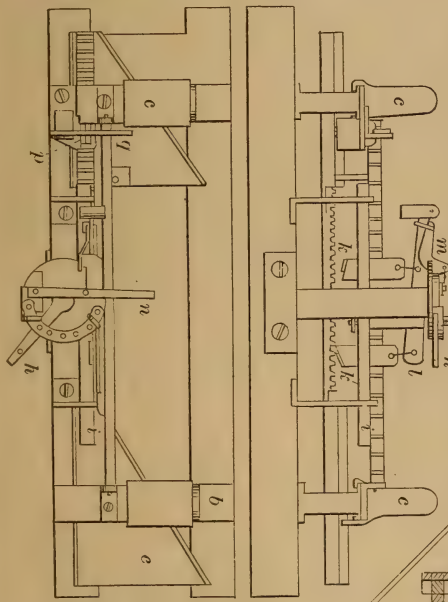
72378—H. Eiffler—*Padlock.*

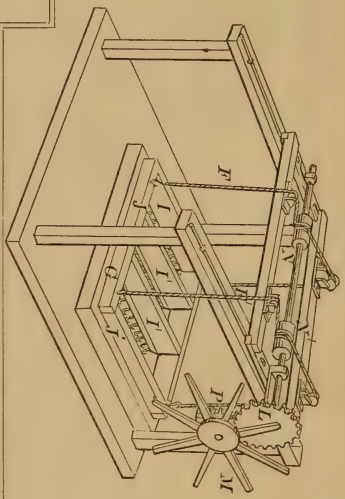


72376—Drake & Egginton—*Lamp.*

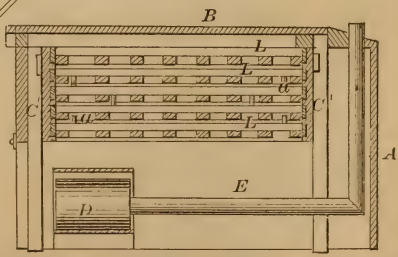


72380—C. R. Ely—*Head Block for Saw Mills.*

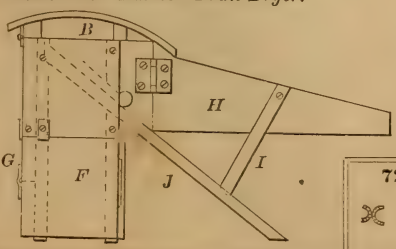




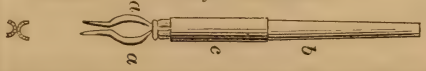
72377—D. Durfee—*Fruit Dryer.*



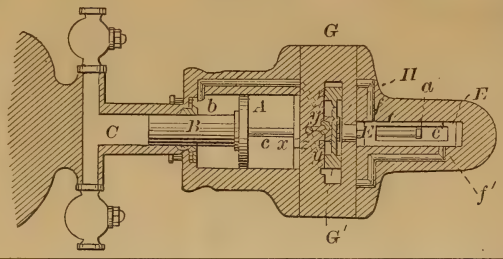
72377—D. Durfee—*Fruit Dryer.*



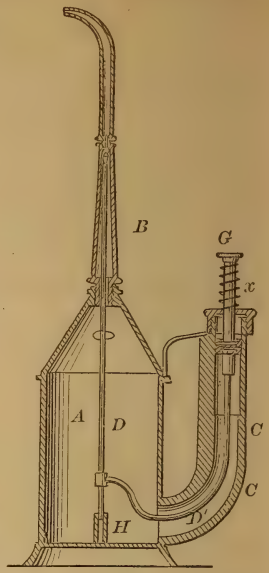
72382—D. D. Foley—*Pen Holder.*



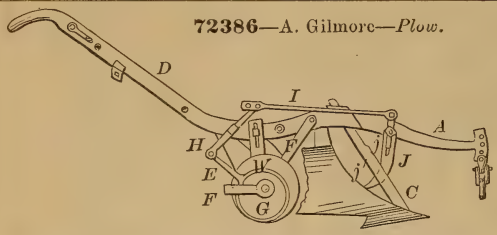
72383—Gardiner & Hyde—*Steam Pump.*



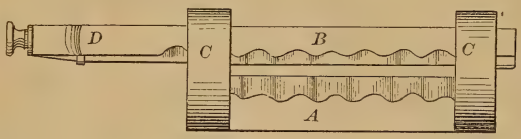
72384—J. B. Gayle—*Oil Can.*



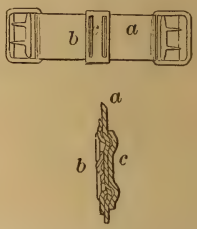
72386—A. Gilmore—*Plow.*



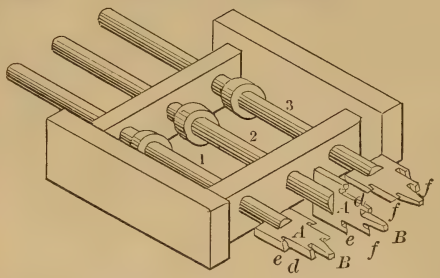
72387—S. Gissinger—*For Squeezing Puddled Iron.*



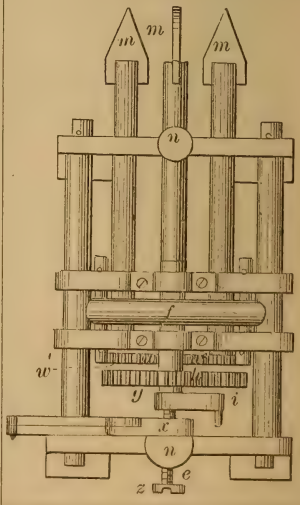
72385—R. Gibbons—*Strap Fastening.*



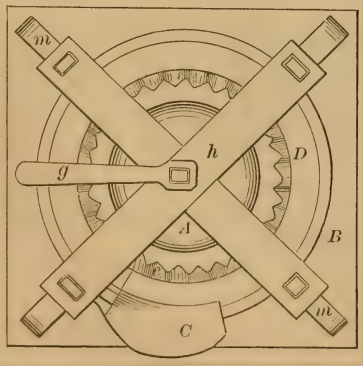
72389—S. Gissinger—*Coal Boring Bit.*



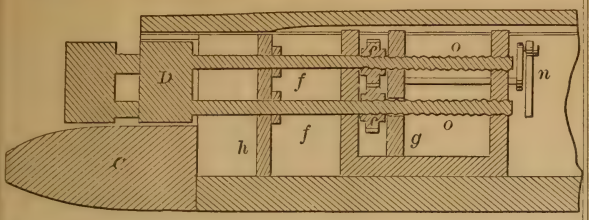
72390—S. Gissinger—*Coal Mining Machine.*



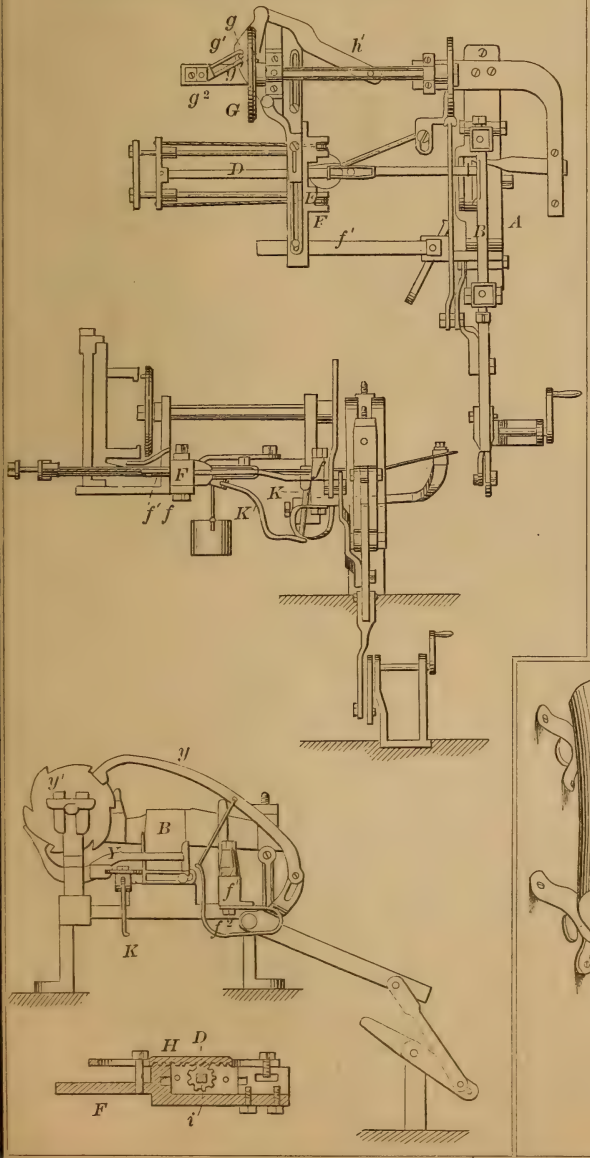
72388—S. Gissinger—*For Squeezing Puddled Iron.*



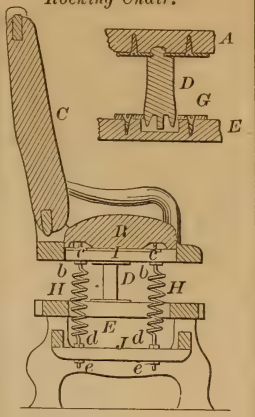
72391—W. Hagerty—*Ram for Vessels.*



72392—F. Hain—*For Feeding Nail Plates.*

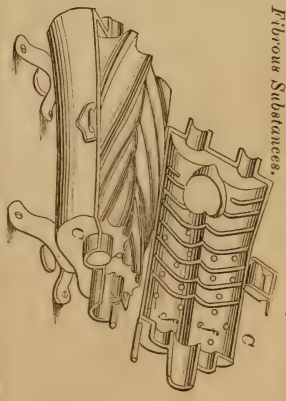


72395—E. Hartwell—*Rocking Chair.*

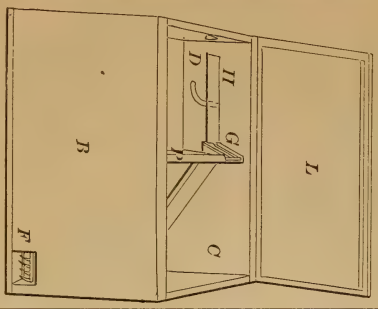


72394—B. J. Hartman—*Trace Fastener.*

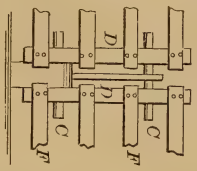
72393—A. W. Hale—*For Cutting and Working Fibrous Substances.*



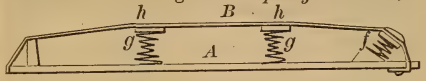
72396—W. Huntington—*Animal Trap.*



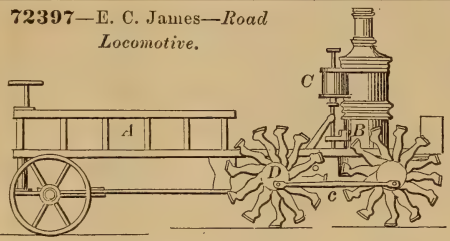
72402—J. B. Johnson—*Fence.*



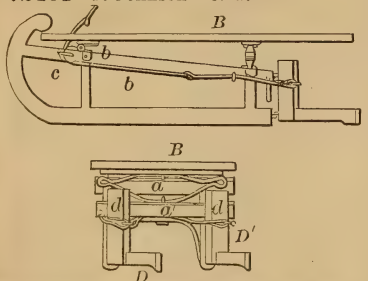
72398—P. C. Ingersoll—*Spring Bed Slat.*



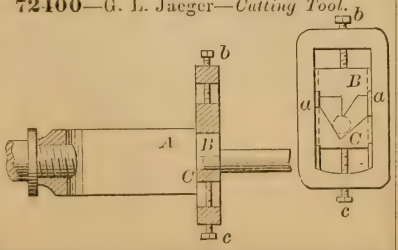
72397—E. C. James—*Road Locomotive.*



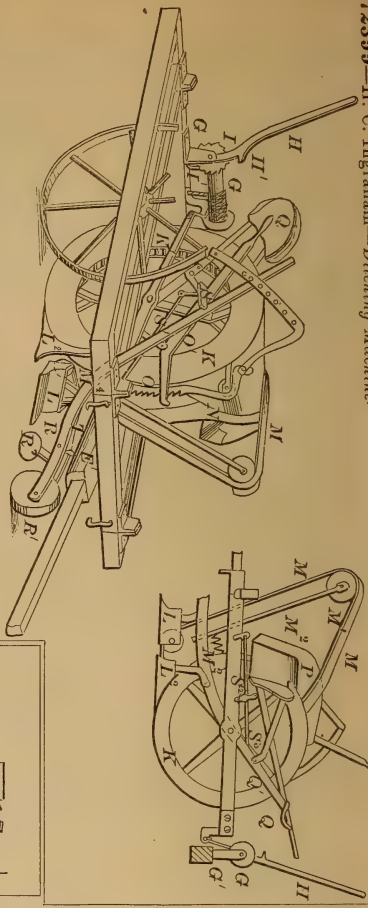
72401—J. Johnson—*Sled.*



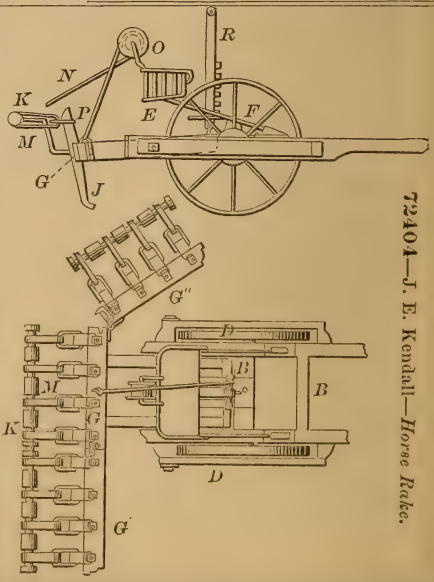
72400—G. L. Jaeger—*Cutting Tool.*



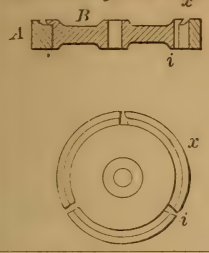
72399—H. C. Ingraham—*Ditching Machine.*



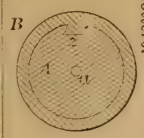
72404—J. E. Kendall—*Horse Rake.*



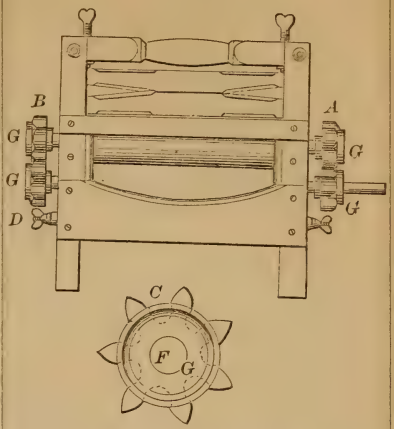
72405—C. Kingsland—*Constructing Car Wheels.*



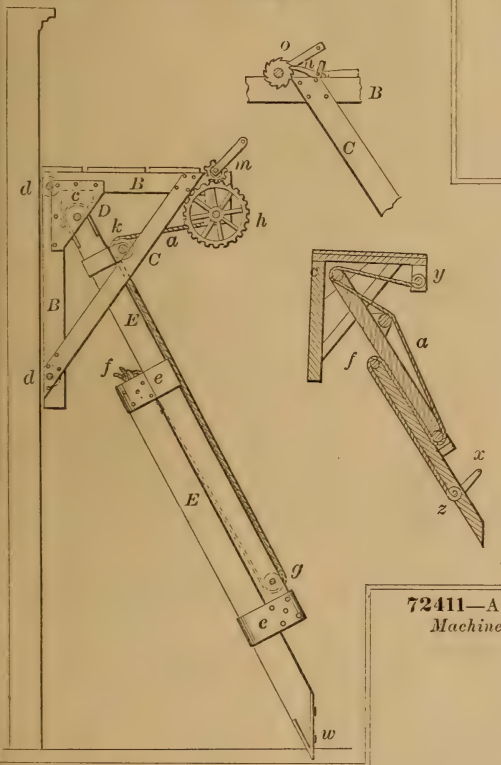
72409—J. M. Mason—*Coupling Shell to Rollers.*



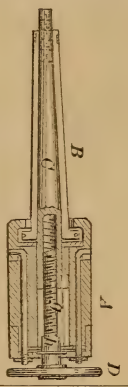
72407—D. Lyman—*Clothes Wringer.*



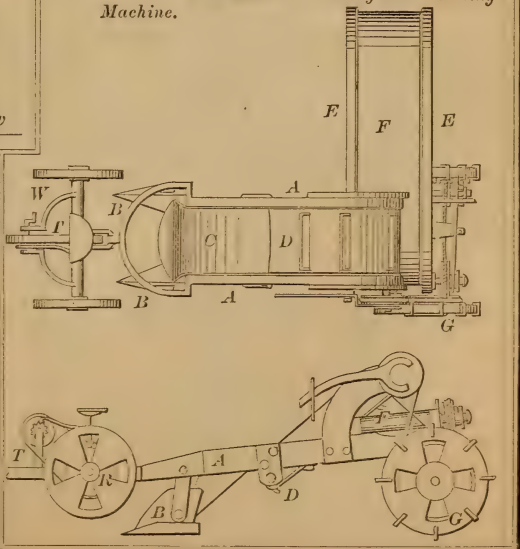
72406—A. S. Kinnear—*Scaffold.*



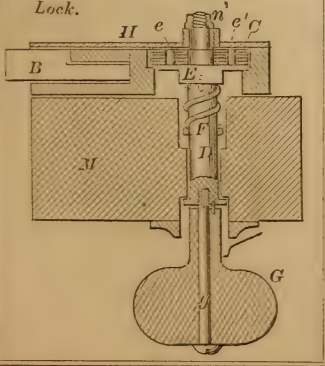
72410—L. Mason—*For Expanding Finger Rings.*



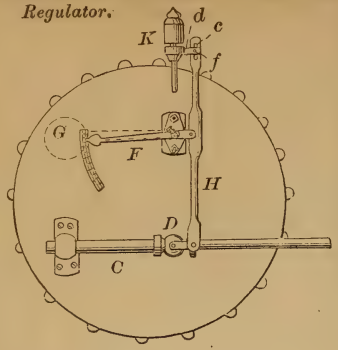
72411—A. A. Maxwell—*Grading and Ditching Machine.*



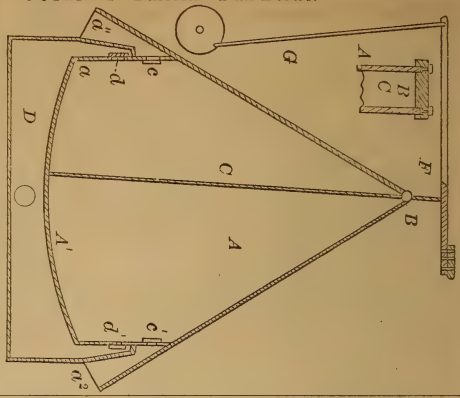
72408—I. W. Lamb—*Permutation Lock.*



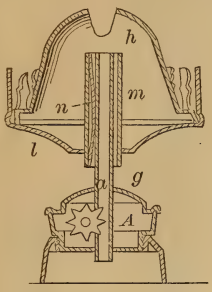
72413—W. McCormick—*Boiler Feed Regulator.*



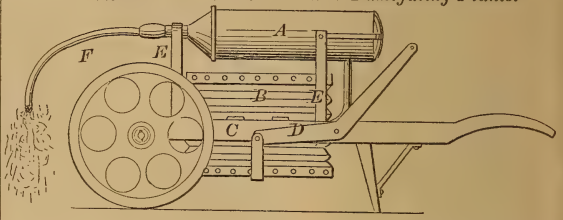
72416—N Parrish—*Fan Blower*



72414—R. S. Merrill—*Burner for Hydro-Carbon Fluids.*

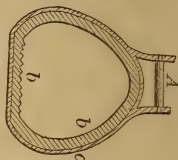


72419—C. C. Preston—*For Fumigating Plants.*

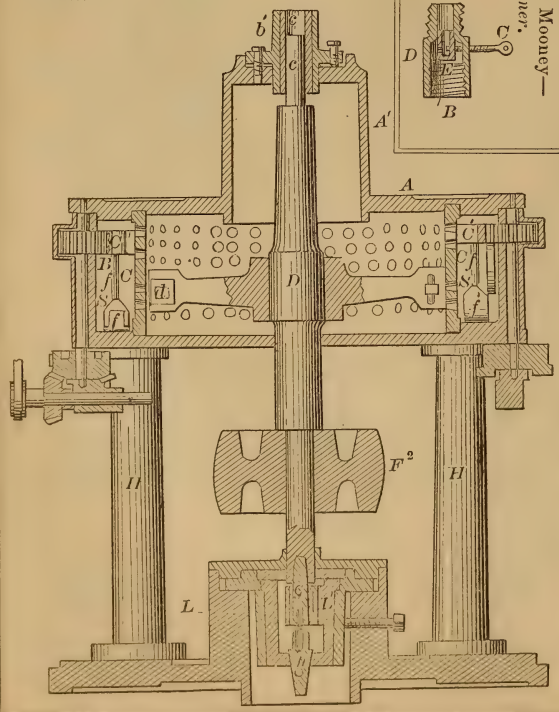


72415—G. Mooney—*Gas Burner.*

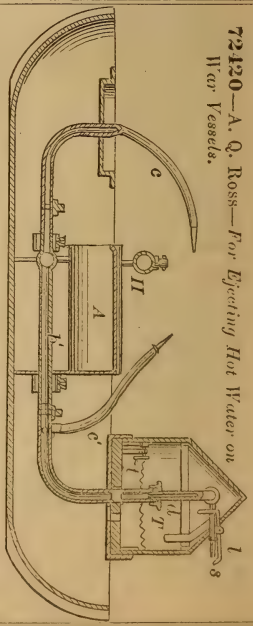
72417—E. Pond—*Stirrup.*



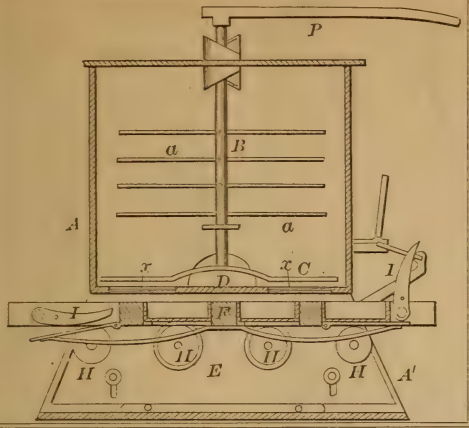
72418—S. W. Powell—*Bone and Plaster Mill.*



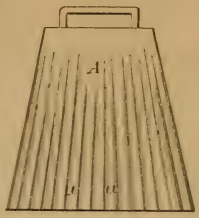
72420—A. Q. Ross—*For Ejecting Hot Water on War Vessels.*

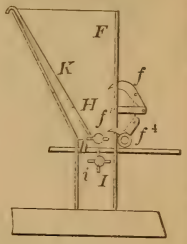


72421—W. Sangster—*Brick Machine.*

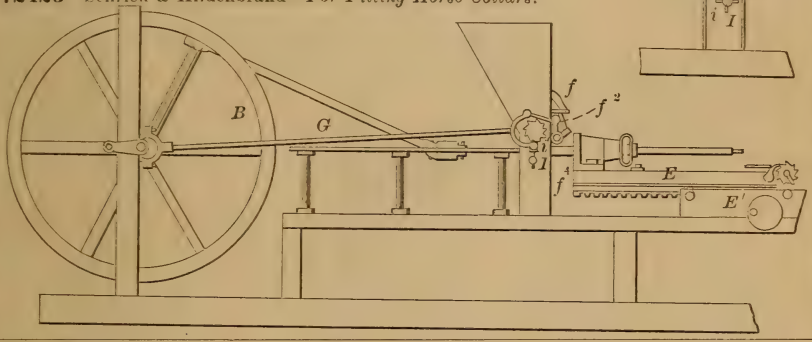


72422—G. S. Saxton—*Manufacture of Corrugated Bells.*

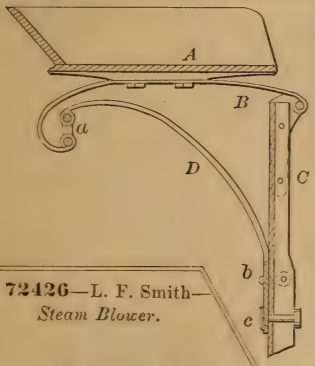




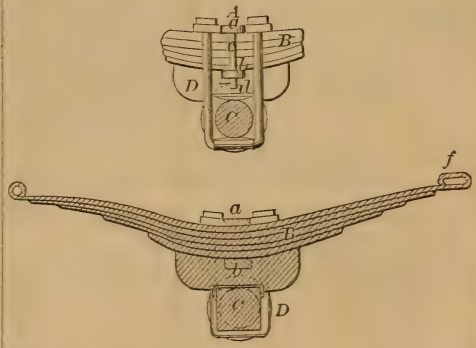
72423—Schrick & Hildenbrand—*For Filling Horse Collars.*



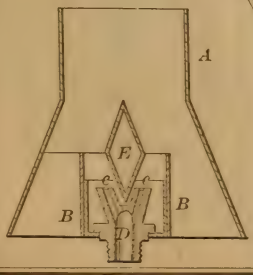
72424—J. Sebastian—*Wagon Seat.*



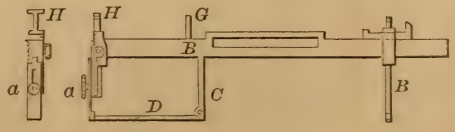
72425—J. Sebastian—*Wagon Spring.*



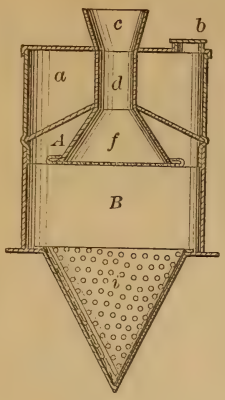
72426—L. F. Smith—*Steam Blower.*



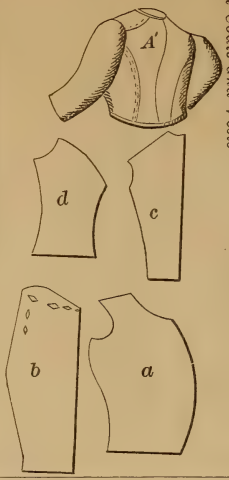
72427—D. F. Stratton—*Gauge for Setting Wagon Axles.*



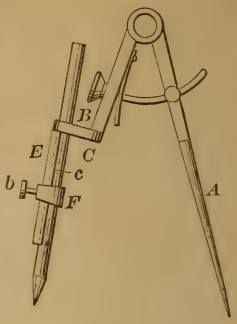
72429—J. W. Thyng—*Coffee Maker.*



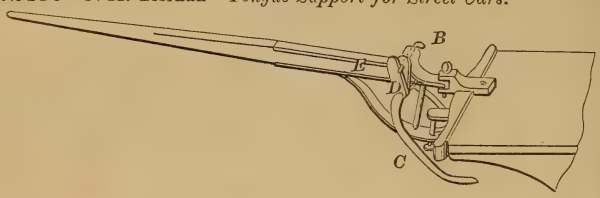
72432—T. Vandoren, Sr.—*Taking Measure to Cut Coats and Vests*



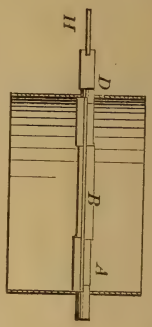
72433—O. E. Weatherhead—*Dividers.*



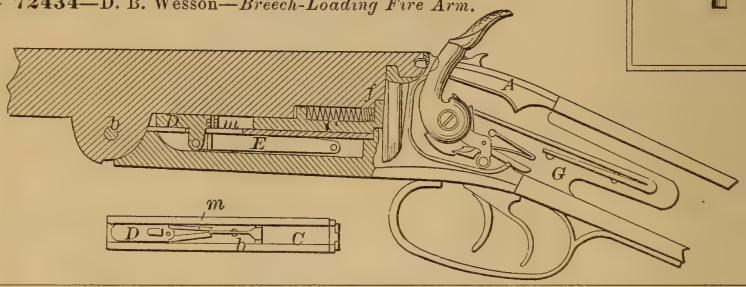
72430—J. M. Tiernan—*Tongue Support for Street Cars.*



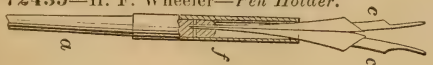
72437—G. B. Wiseman—*Stove Pipe Damper.*



72434—D. B. Wesson—*Breech-Loading Fire Arm.*

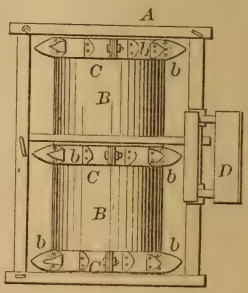


72435—H. F. Wheeler—*Pen Holder.*

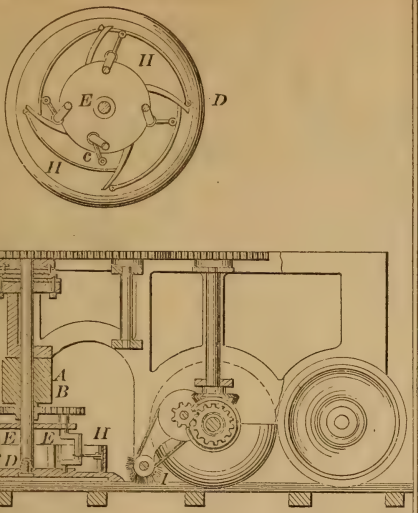


72436—A. Wippo—*Boring Tool.*

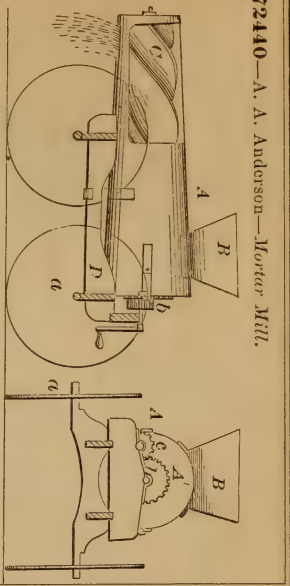
72438—W. S. Worley—*Land Roller.*



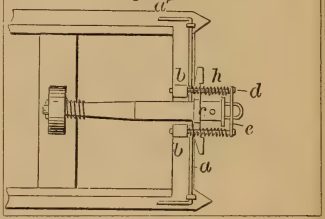
72439—E Abbiati—*Track Clearer.*



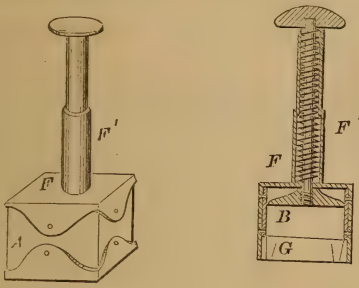
72440—A. A. Anderson—*Mortar Mill.*



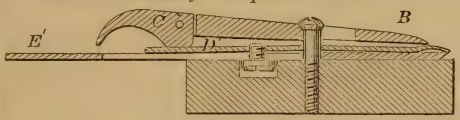
72441—C. P. Bachelder—*Car Coupling.*



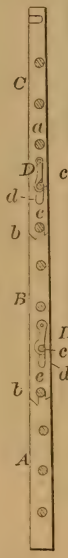
72442—C. H. Bacon—*For Attaching Stamps.*



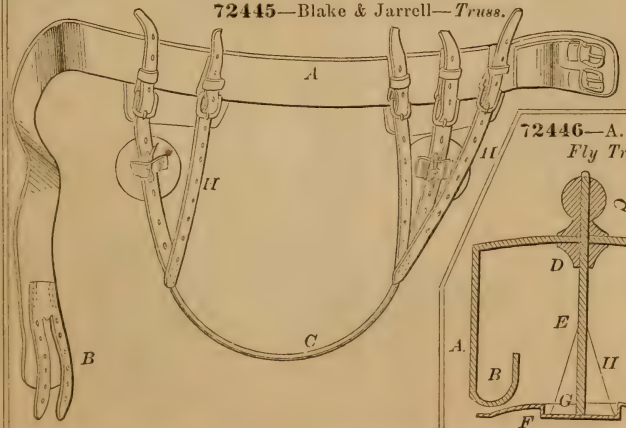
72443—L. Bailey—*Carpenters' Plane.*



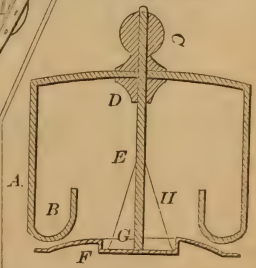
72444—H. Barns—*Extension Ladder.*



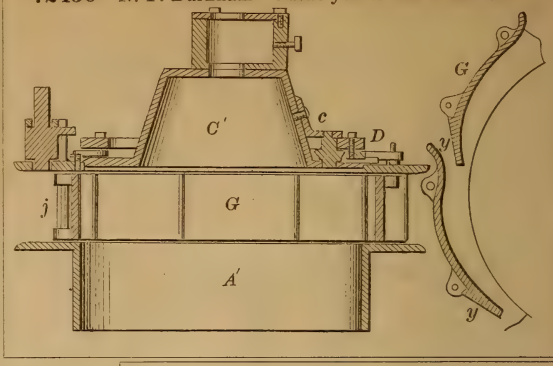
72445—Blake & Jarrell—*Truss.*



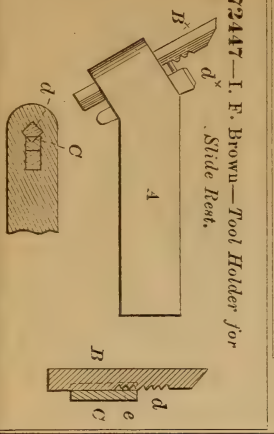
72446—A. Bristol—*Fly Trap.*



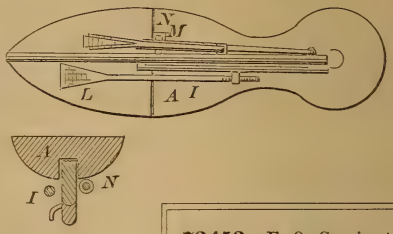
72450—N. F. Burnham—*Guide for Water Wheels.*



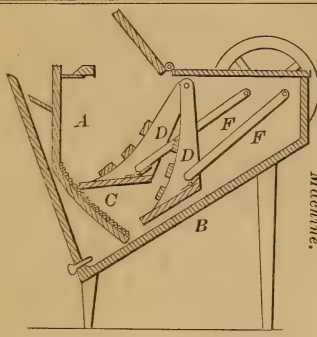
72447—I. F. Brown—*Tool Holder for Slide Rest.*



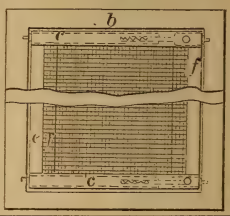
72448—G Brownlee—*Skate.*



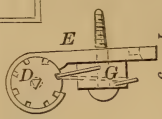
72451—J. B. Byers—*Washing Machine.*



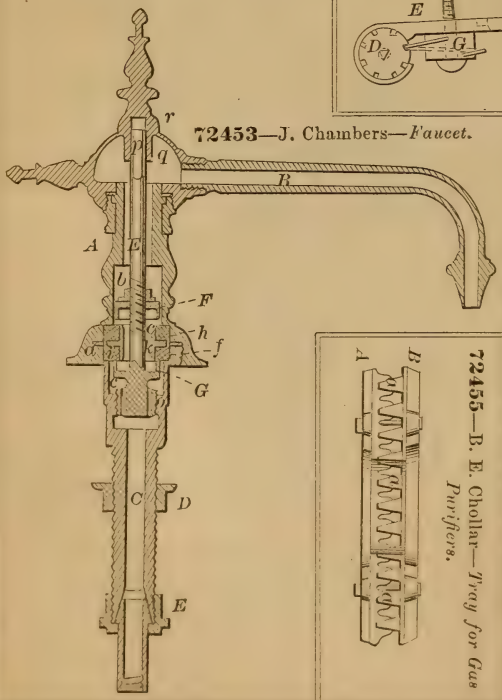
72452—E. O. Carrington—*Mosquito Net.*



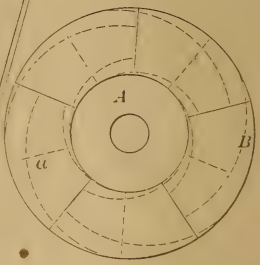
72449—C. Burnham—*Door Spring.*

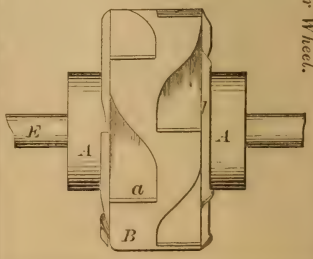


72453—J. Chambers—*Faucet.*



72454—R. Chapman—*Water Wheel.*

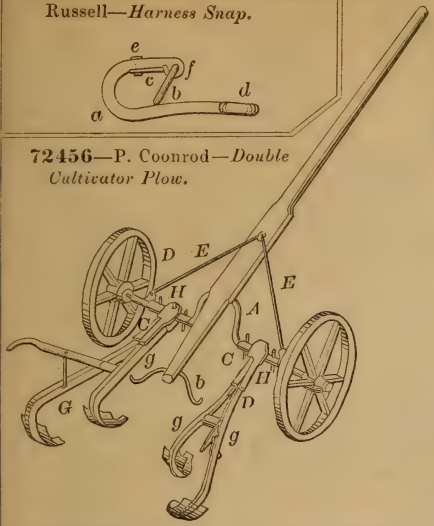




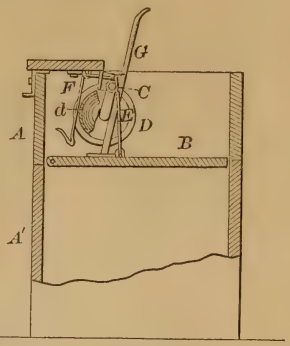
72455—B. E. Chollar—*Trap for Gas Purifiers.*

72462—Davison, Bates, Wilson & Russell—*Harness Snap.*

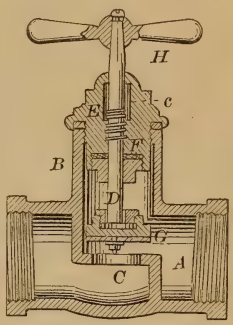
72456—P. Coonrod—*Double Cultivator Plow.*



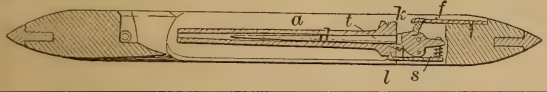
72461—W. H. Davis—*Animal Trap.*



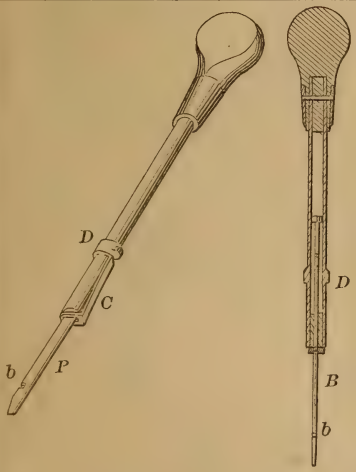
72458—A. Crossley—*Globe Valve.*



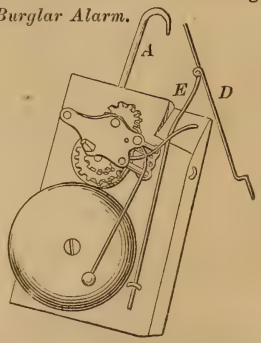
72457—G. Crompton—*Shuttle.*



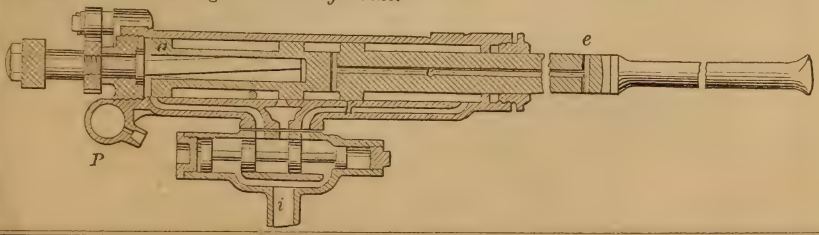
72463—O. Dean—*Screw Driver.*



72459—B. F. & J. F. Cunningham—*Burglar Alarm.*



72465—F. B. Doering—*For Boring Rocks.*



72466—F. B. Doering—*Stand for Rock Drilling Engines.*

Fig. 1

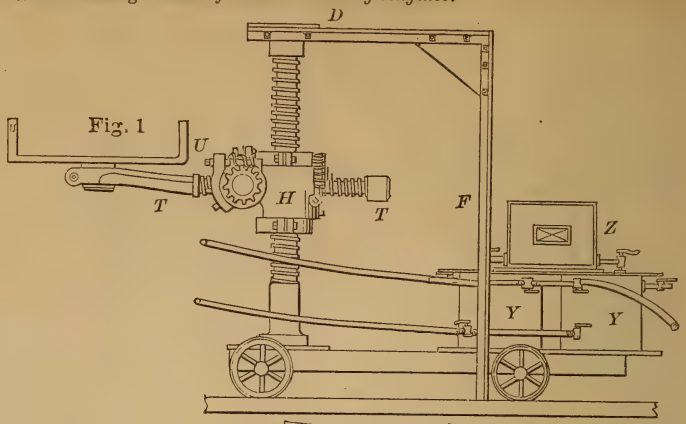


Fig. 8

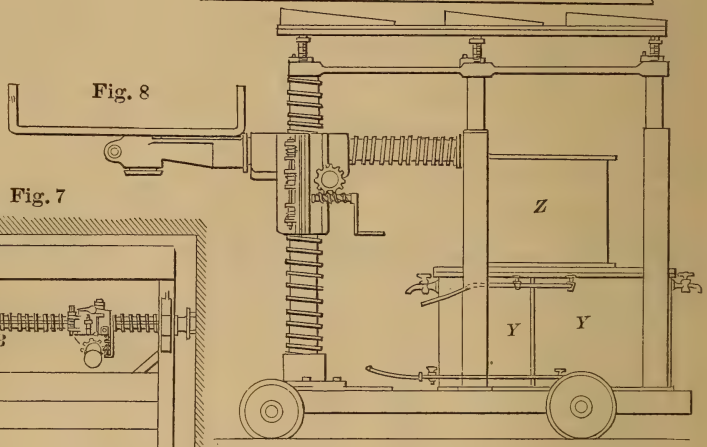


Fig. 7

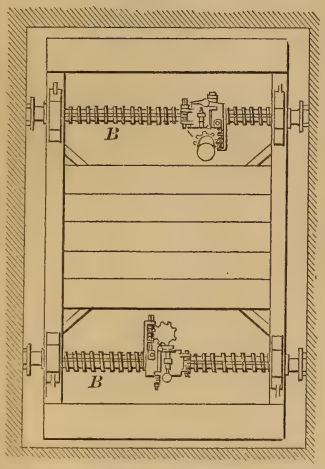
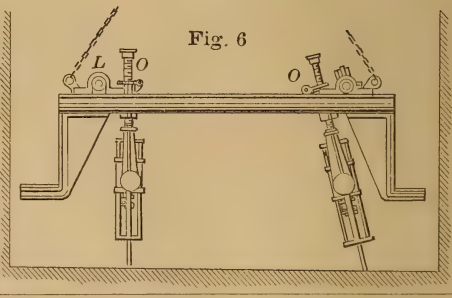
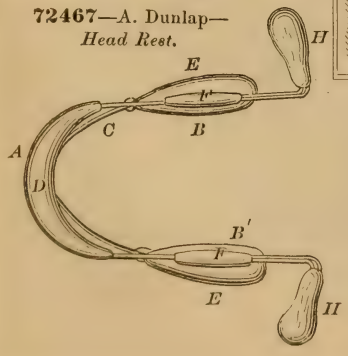


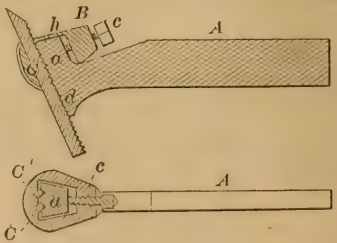
Fig. 6



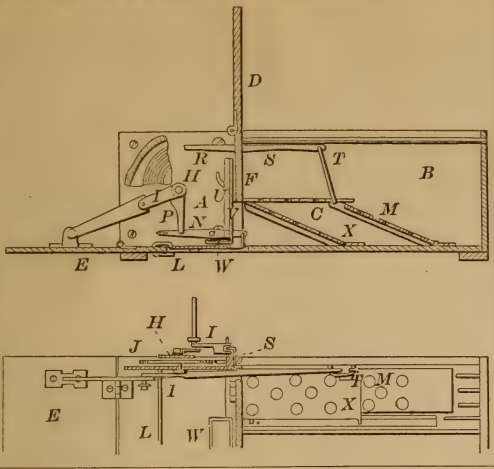
72467—A. Dunlap—
Head Rest.



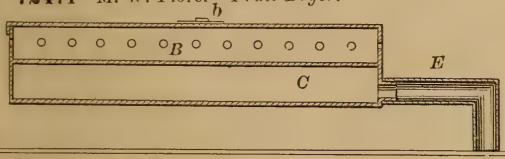
72468—J. Edson—*Lathe Tool Holder.*



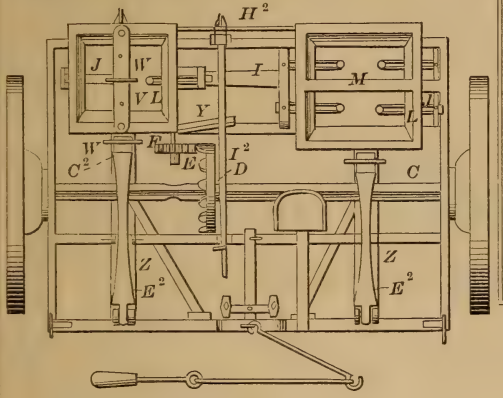
72470—Ellis & Albertson—*Animal Trap.*

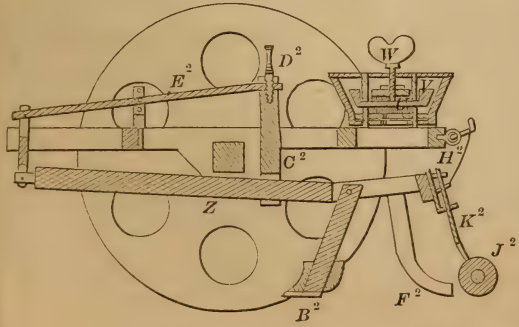


72471—M. W. Florer—*Fruit Dryer.*

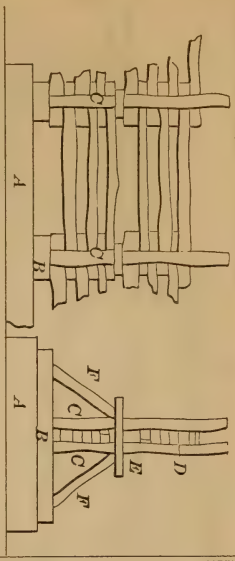


72472—J. K. Frantz—*Seed Planter.*

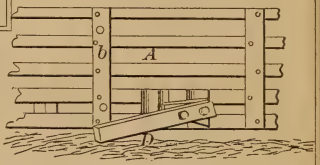


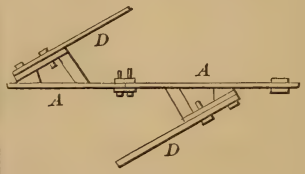


72473—A. Frayer—*Rail Fence.*

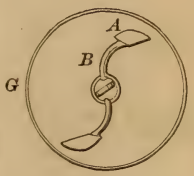


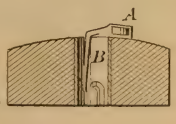
72469—Ellis & Albertson—*Fence.*



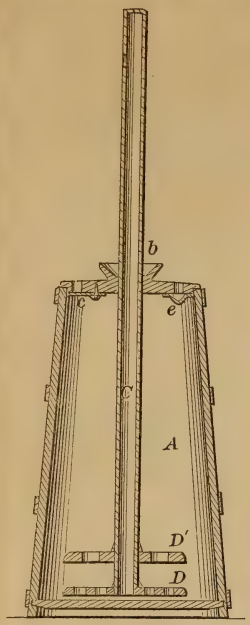


72474—W. K. Fuller—*For Ventilating Mill Stones.*

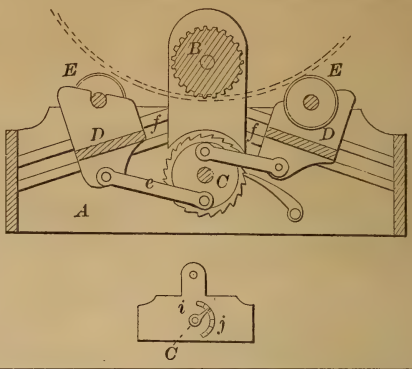




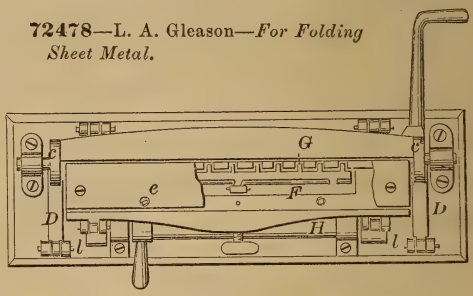
72475—J. C. Gaston—*Churn.*



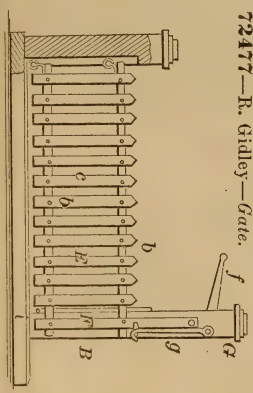
72476—J. Gettemy—*Tire Bending and Shrinking.*

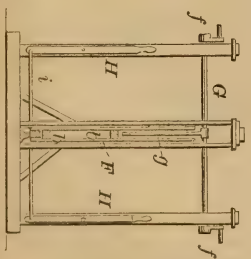


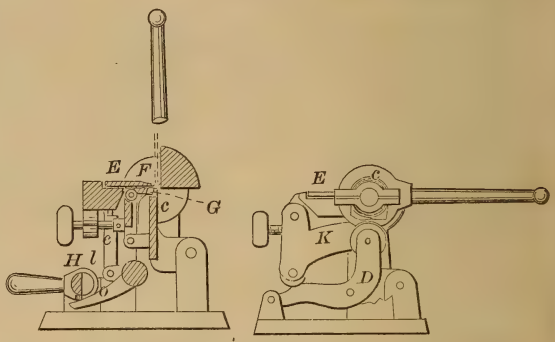
72478—L. A. Gleason—*For Folding Sheet Metal.*



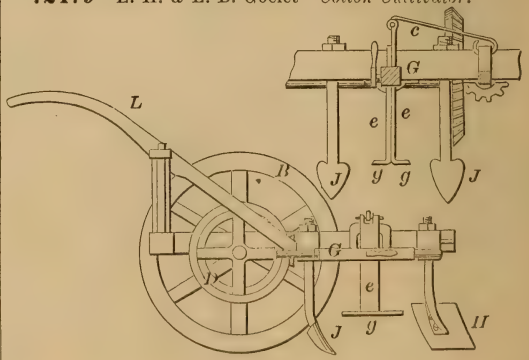
72477—R. Gidley—*Gate.*



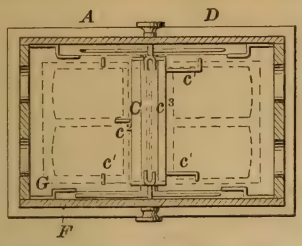


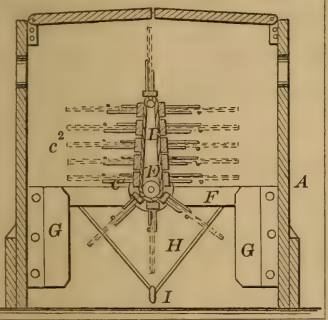


72479—E. H. & E. B. Goelet—*Cotton Cultivator.*

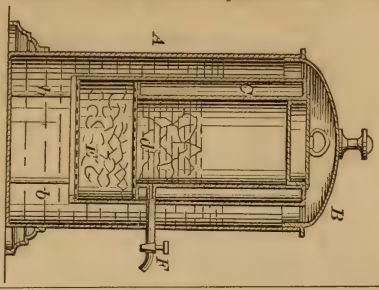


72480—O. Goerke—*Stereoscope.*

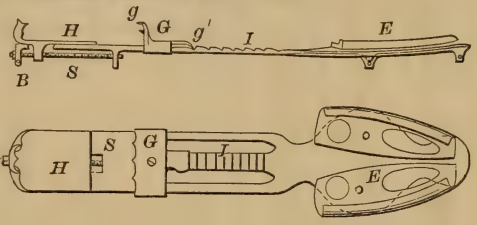




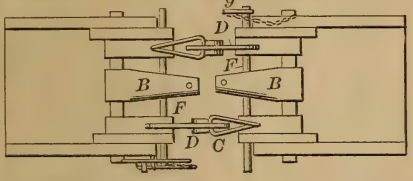
72481—G. W. W. Goodwyn—*Filter.*

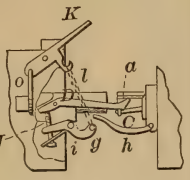


72483—Haase & Rost—*Skate.*

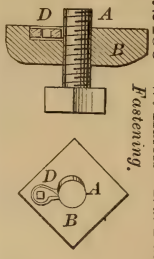


72482—R. Goole—*Car Coupling.*

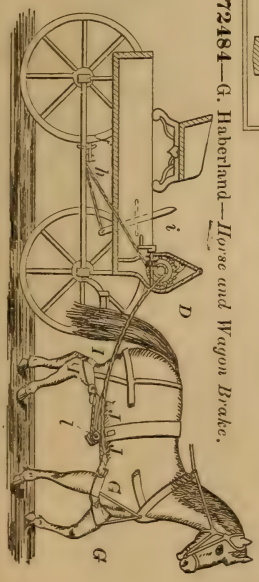




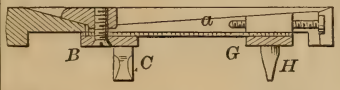
72486—W. Harris—*Nut Fastening.*



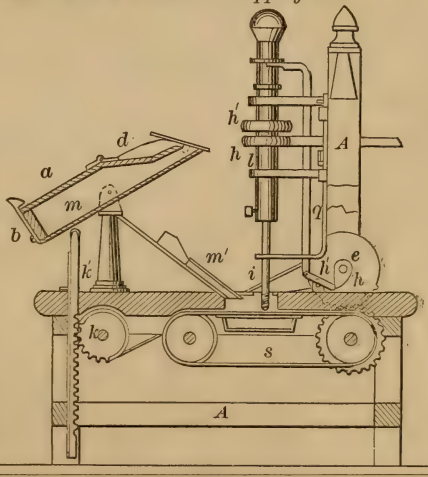
72484—G. Haberland—*Horse and Wagon Brake.*



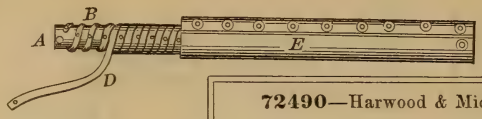
72485—P. Hanly—*Horse Shoe.*



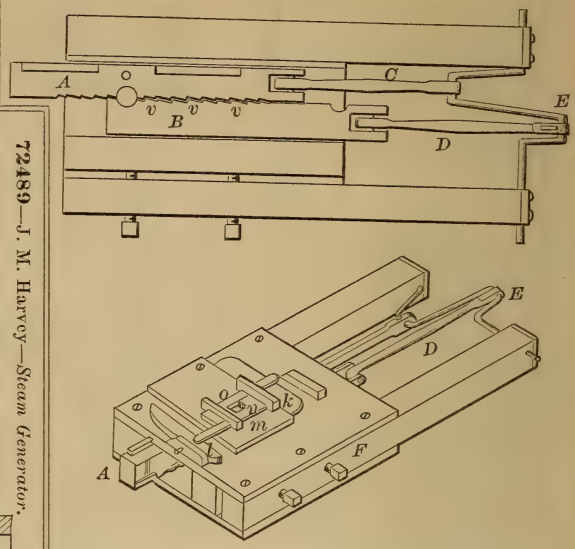
72487—Hart & Blakeslee—*Tapping Nuts.*



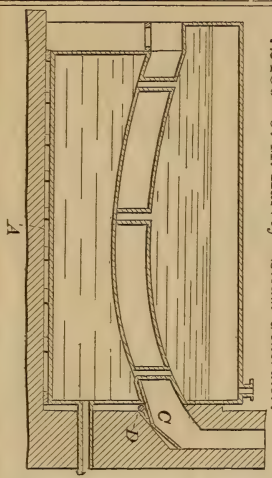
72488—H. Hartley—*Lining Hose.*



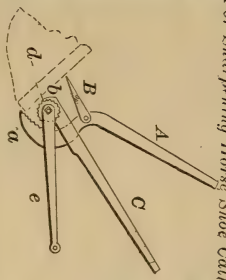
72490—Harwood & Mickle—*For Threading Screws.*



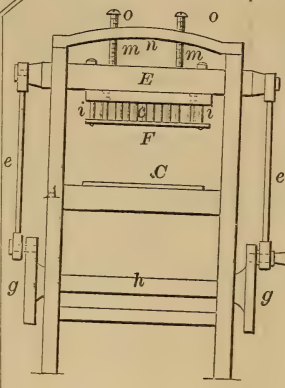
72489—J. M. Harvey—*Steam Generator.*



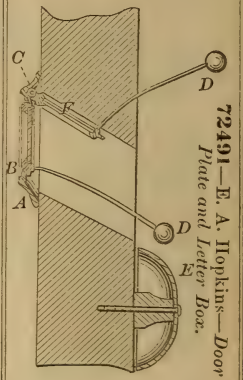
72491—Hays, Duncan & Bowen—*For Sharpening Horse Shoe Calks.*



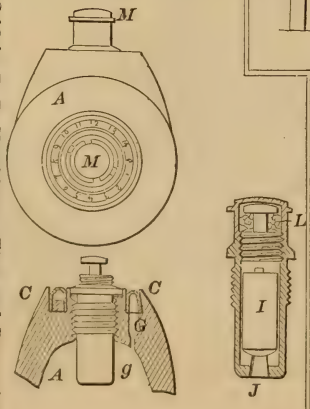
72492—E. A. Hill—*For Punching Rubber Inner Soles.*



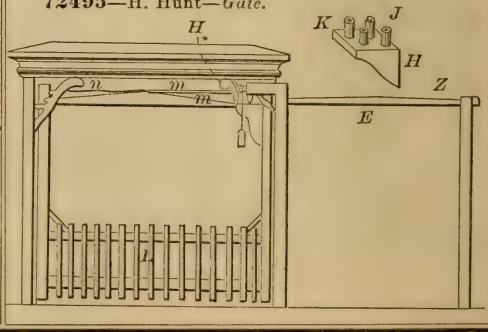
72491—E. A. Hopkins—*Door Plate and Letter Box.*



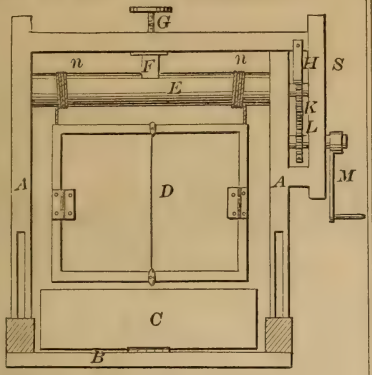
72494—B. B. Hotchkiss—*Time and Percussion Fuze for Explosive Shells.*



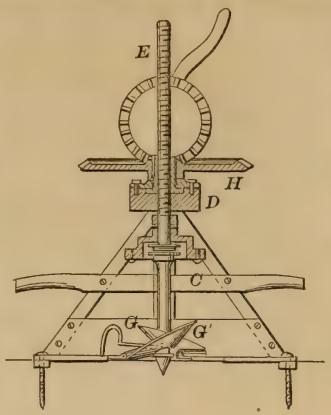
72495—H. Hunt—*Gate.*



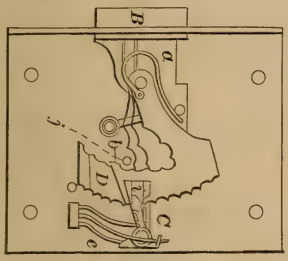
72496—D Hyre—*Well Refrigerator.*

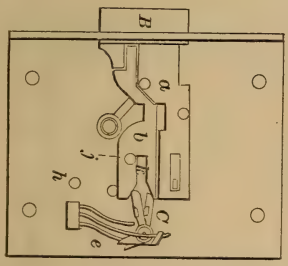


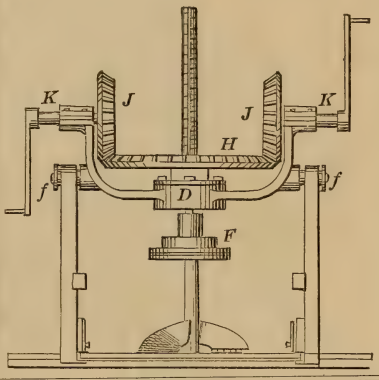
72497—W. R. Iles—*For Boring Post Holes*



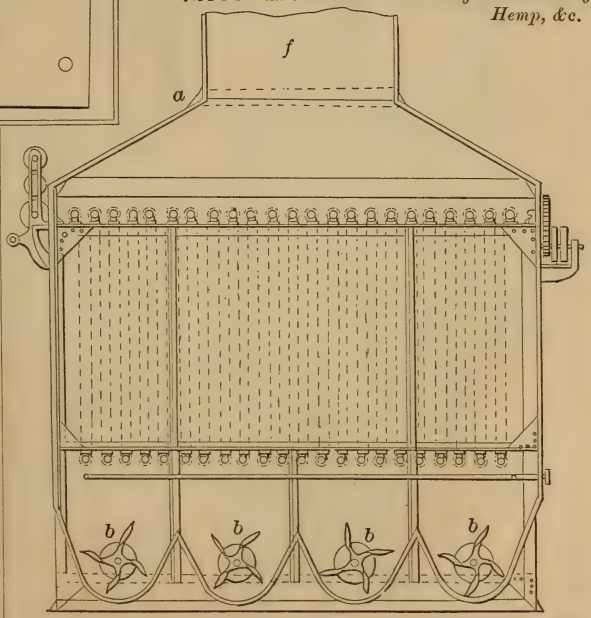
72499—H. Jackson—*Door Lock.*



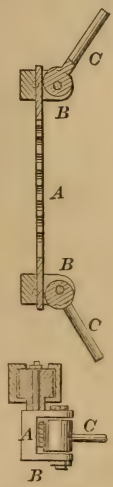




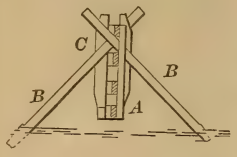
72500—L. Jarosson—*Bleaching and Scouring Hemp, &c.*



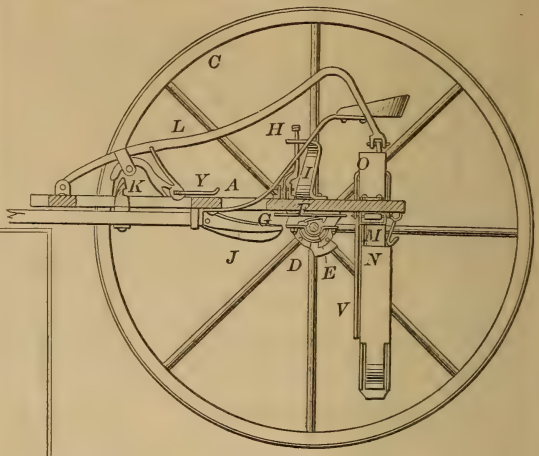
72498—W. Inman—*Saw Mill.*



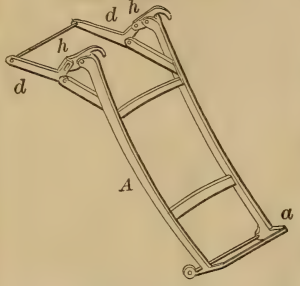
72504—H. A. Kephart—*Fence.*



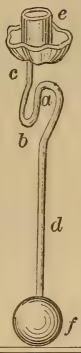
72501—H. J. Johnson—*Corn Planter.*

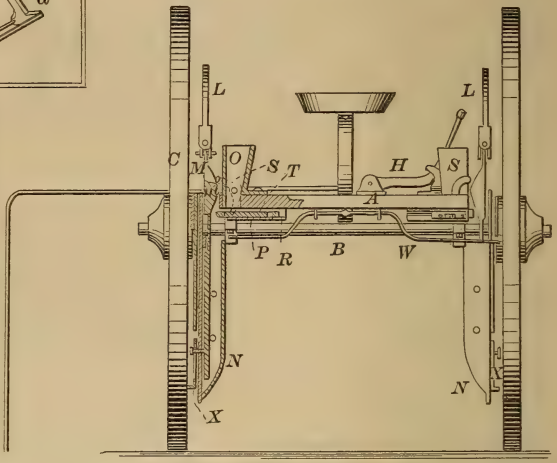


72503—T. W. Kennedy—*Hand Truck.*

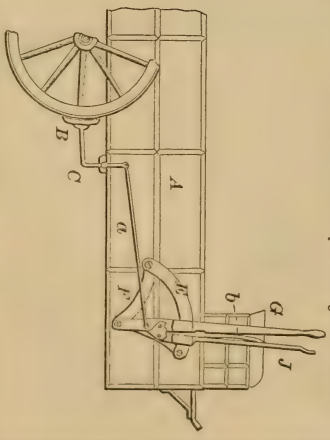


72506—C. Kirchof—*Candle Holder.*

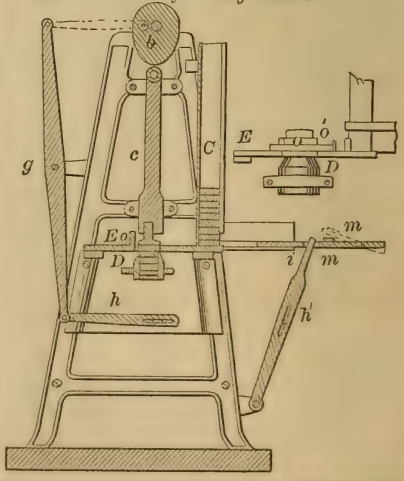




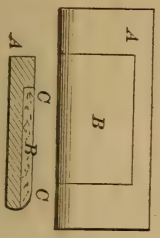
72502—W. K. Johnson—*Lock for Wagon Brakes.*



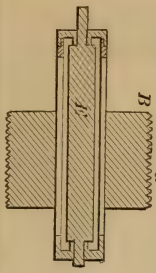
72505—J. Kirby—*Bung Cutter.*



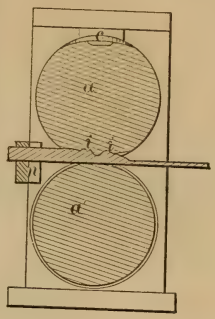
72507—J. Koch—*Stairs.*



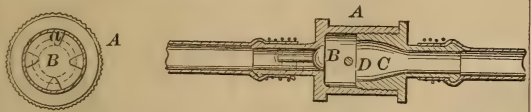
72509—J. O. Lewis—*Card Grinding Cylinder.*



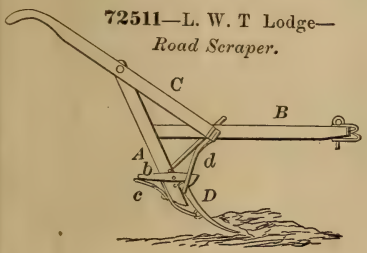
72512—M. Loughran—*For Rolling Clevis Blanks.*

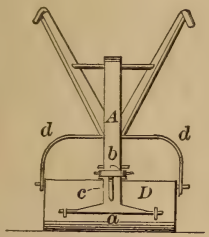


72508—N. Lawrence—*Syringe Valve.*

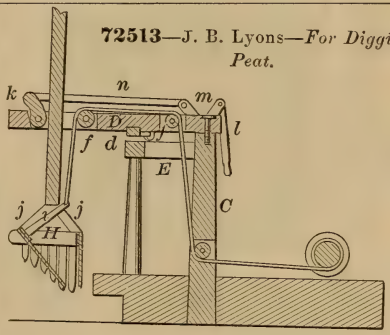


72511—L. W. T Lodge—*Road Scraper.*

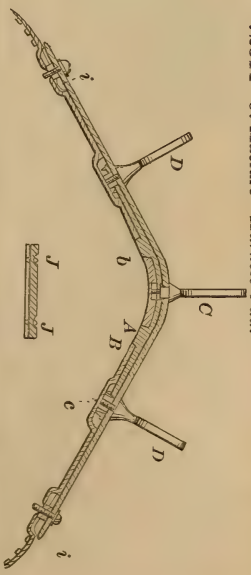




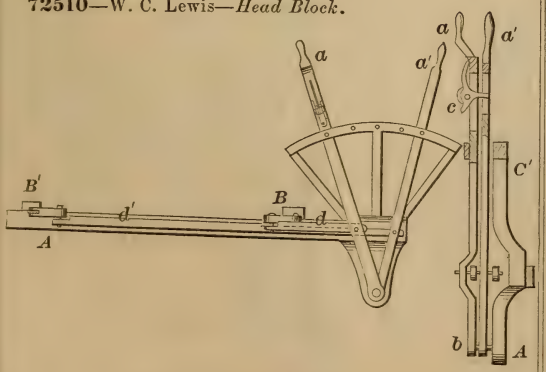
72513—J. B. Lyons—*For Digging Peat.*



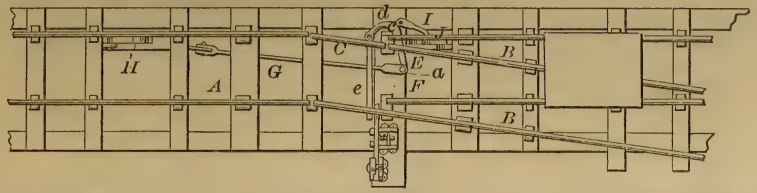
72514—J. Maclure—*Harness Pad.*



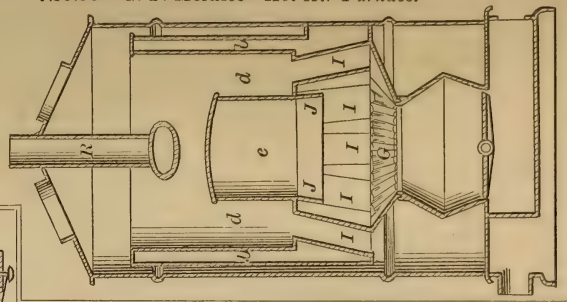
72510—W. C. Lewis—*Head Block.*



72519—S. C. Megill—*Railroad Switch.*

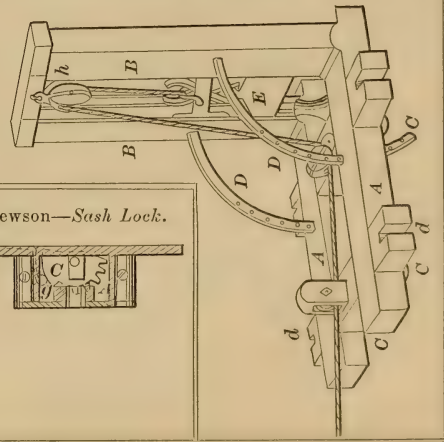


72520—G. F. Merklee—*Hot Air Furnace.*

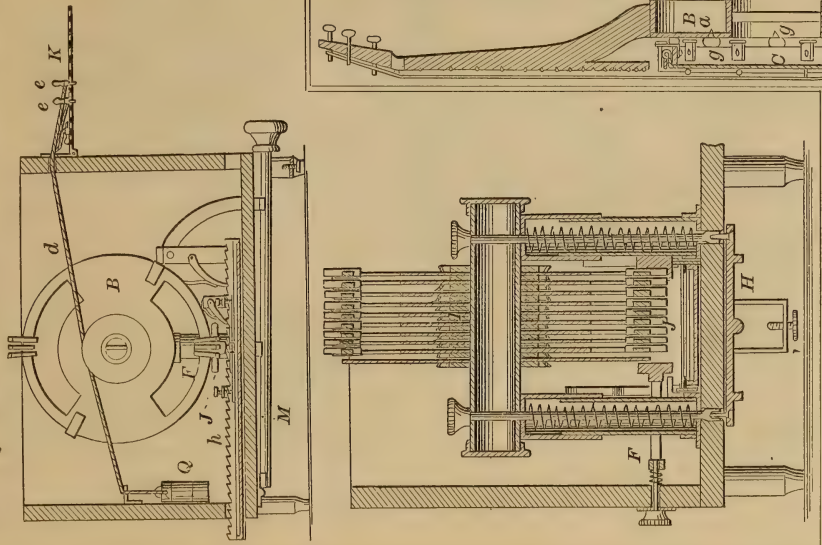


72517—J. Mayberger—*Banjo.*

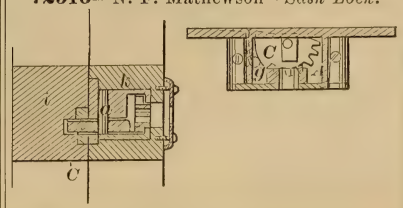
72518—McCullough & Robins—*Post Driver.*



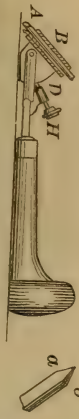
72515—J. Mac Nair—*For Producing Stereotype Moulds.*



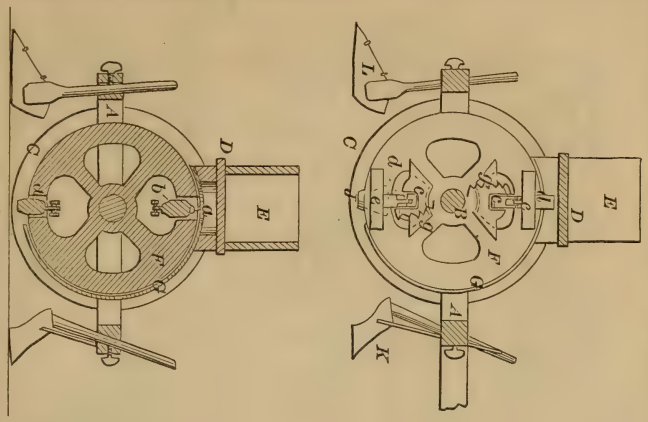
72516—N. F. Mathewson—*Sash Lock.*



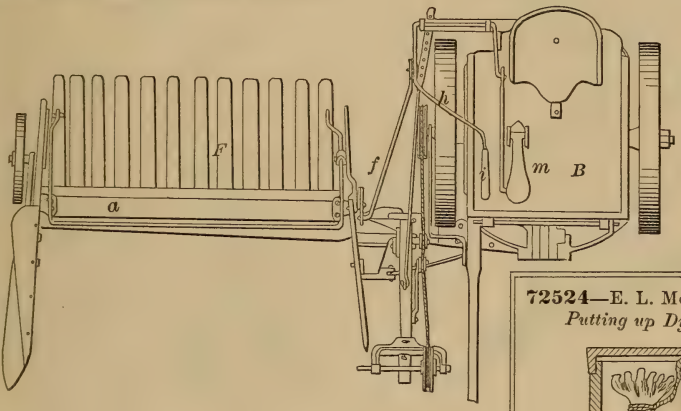
72521—R. S. Mershon—*Graver.*



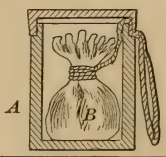
72525—R. W. Moran—*Corn Planter.*



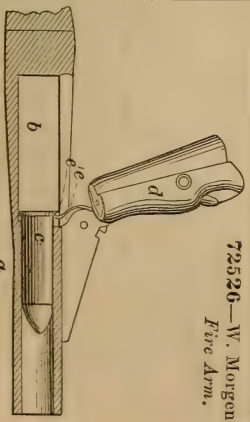
72523—J. Miller—*Harvester Dropper.*



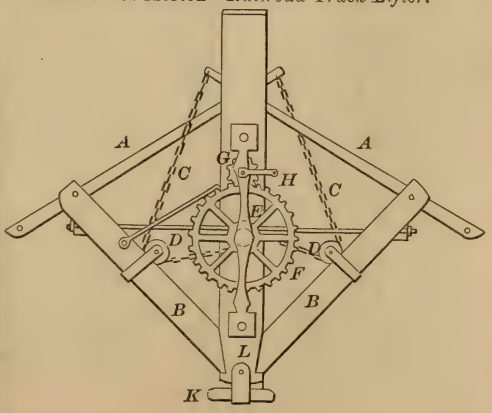
72524—E. L. Molineux—*Putting up Dyes.*



72526—W. Morgenstern—*Fire Arm.*



72527—J. Morton—*Railroad Track Lifter.*



72528—D. J. Mozart—*Watch.*

72532—Palmer & Beard—*Steigh.*

72530—A. W. Newell—*Steam Generator.*

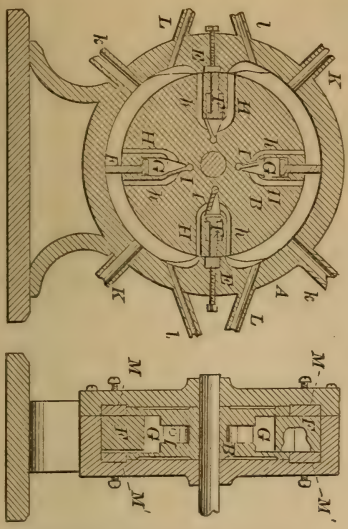
72531—G. H. Noble—*Spindle Step.*

72529—G. Murray—*Valve.*

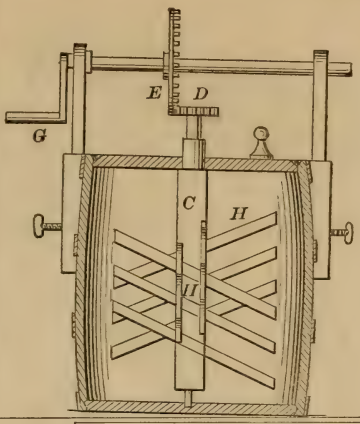
72533—S. Patten—*For Removing Moulded Forms from the Press.*

72534—W. P. Patton—*Ice Creeper.*

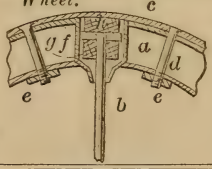
72537—R. D. Pettit—*Rotary Steam Engine.*



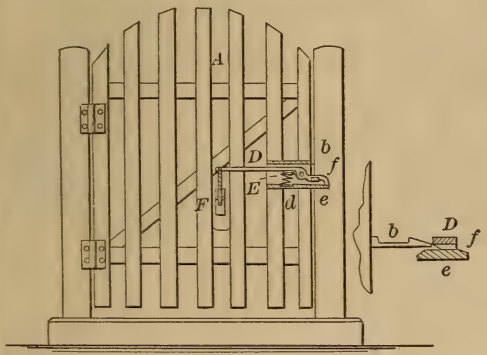
72535—T. Payne—*Churn.*



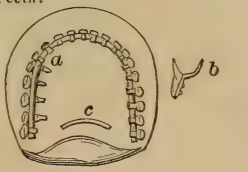
72538—J. Raddin—*Carriage Wheel.*



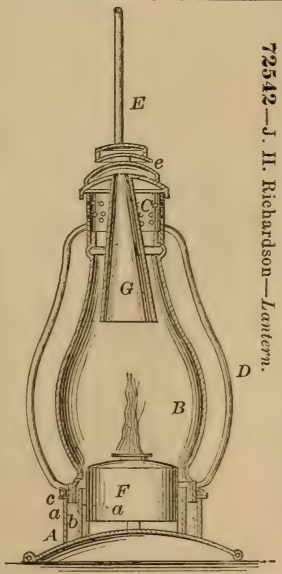
72536—W. W. Peck—*Gate Fastening.*



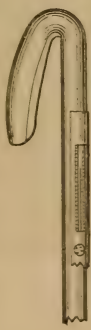
72541—W. Reynolds—*Artificial Teeth.*



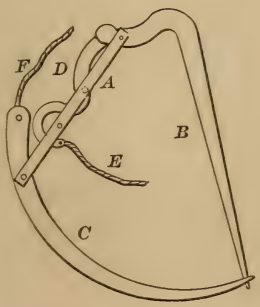
72542—J. H. Richardson—*Lantern.*



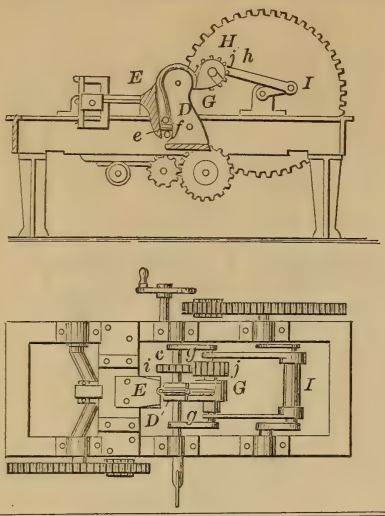
72539—J. L. Reber—*Cane and Thermometer.*



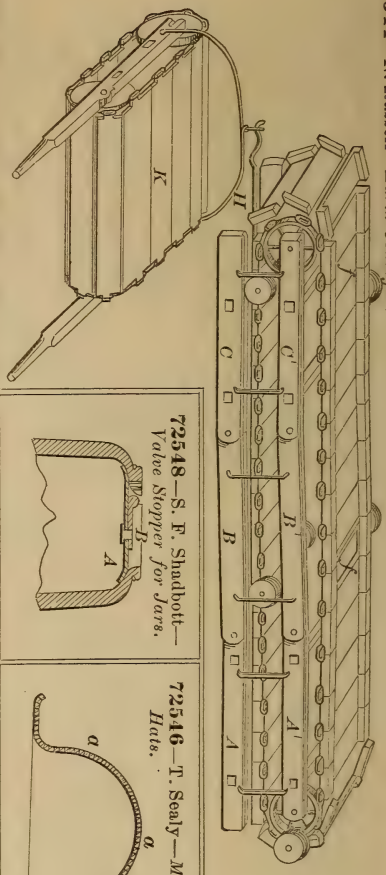
72540—C. W. Reed—*Hay Fork.*



72547—R. B. Sears—*For Bending Hooks.*

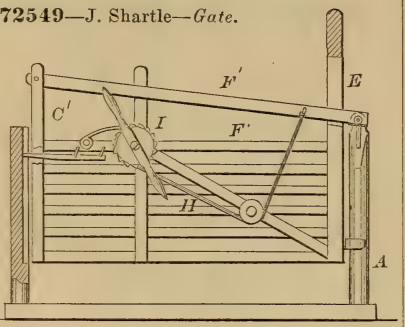


72544—N. Russell—*Earth Conveyor.*

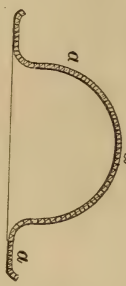


72548—S. F. Shadbott—*Valve Stopper For Jars.*

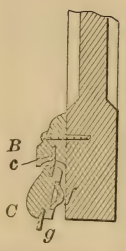
72549—J. Shartle—*Gate.*



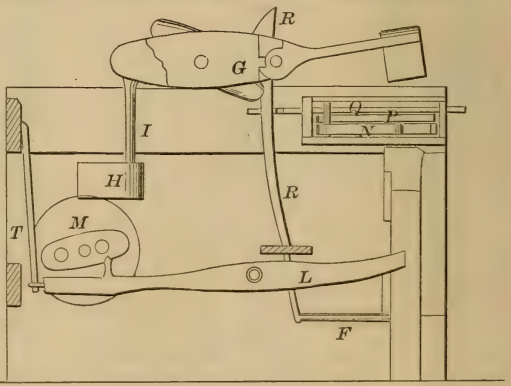
72546—T. Sealy—*Manufacturing Hats.*



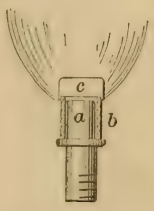
72543—H. A. Robinson—*Weather Strip.*



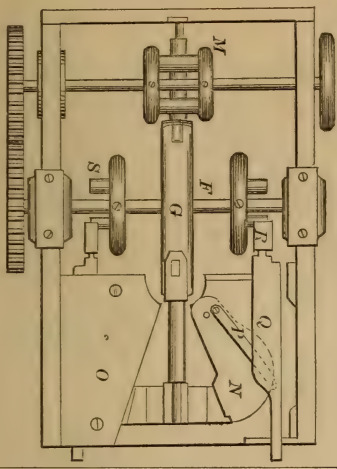
72550—A. Shaw—*For Making Horse Shoe Nails.*



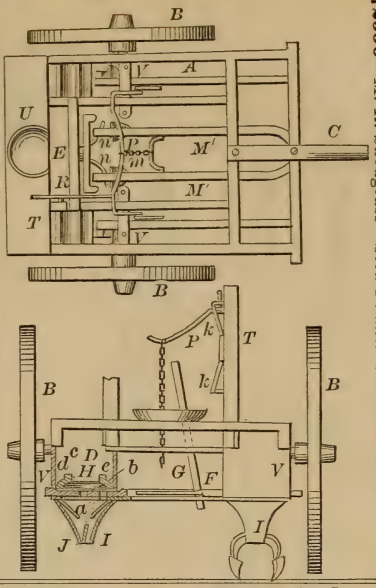
72545—J. Scholl—*Gas Burner.*



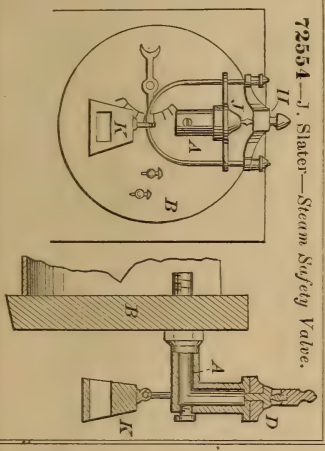
72550—*Continued.*



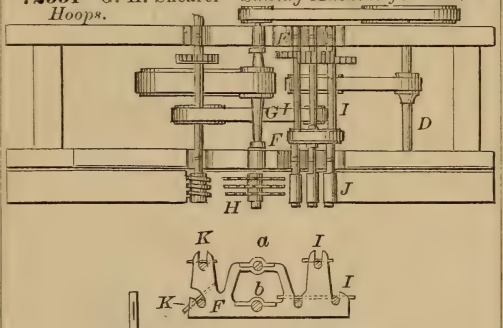
72556—M. R. Snodgrass—*Seed Planter and Cultivator.*



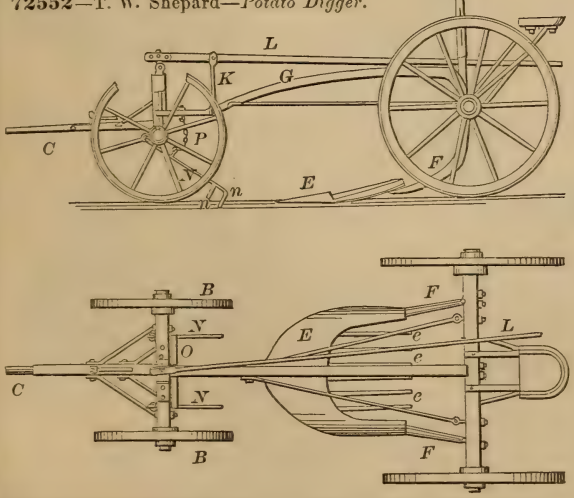
72554—J. Slater—*Steam Safety Valve.*



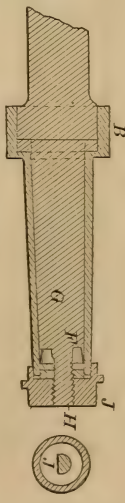
72551—G. H. Shearer—*Sawing Machine for Barrel Hoops.*



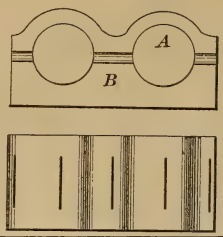
72552—T. W. Shepard—*Potato Digger.*



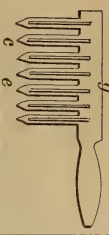
72555—A. E. Smith—*Wagon Axle.*



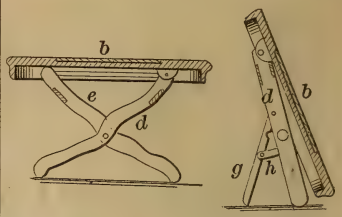
72557—J. S. Stewart—*Building Block.*



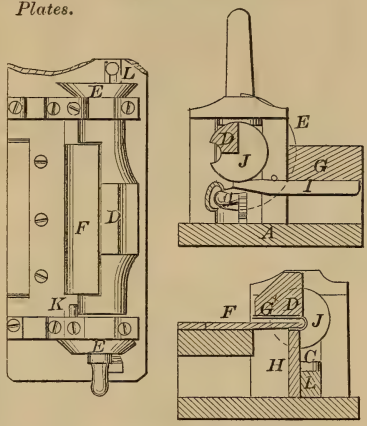
72558—L. S. Stimson—*For Dyeing Hair.*



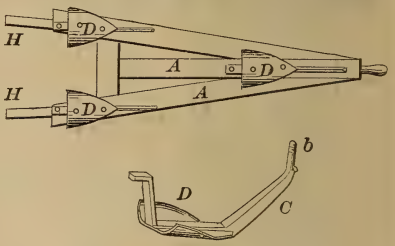
72562—J. Sutter—*Folding Table.*



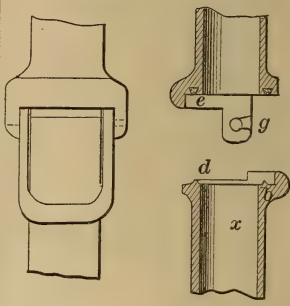
72561—O. W. Stow—*For Folding Tinned Plates.*



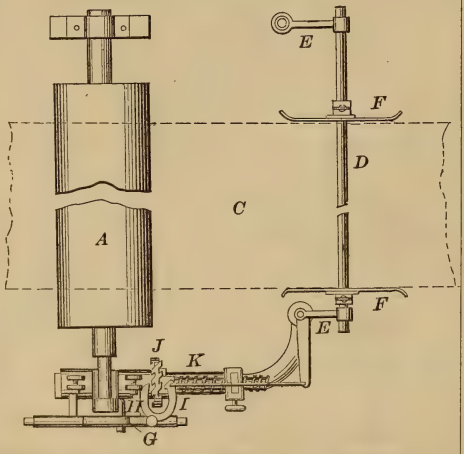
72560—Storrs, Keyes & Jones—*Cultivator.*



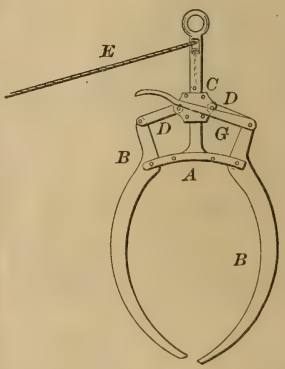
72566—N. Thompson—*Pipe Coupling.*



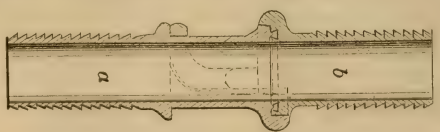
72564—F. Thiry—*Paper Machine.*



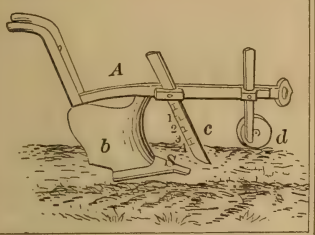
72567—L. N. Tinkham—*Horse Hay Fork.*



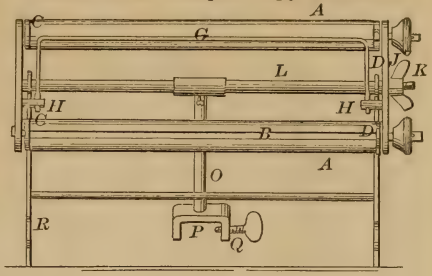
72565—N. Thompson—*Hose Coupling.*

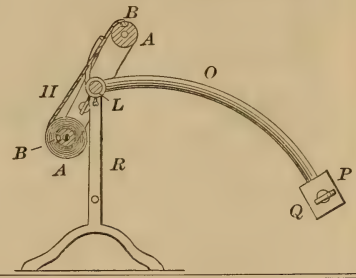


72568—W. D. Titus—*Plow.*

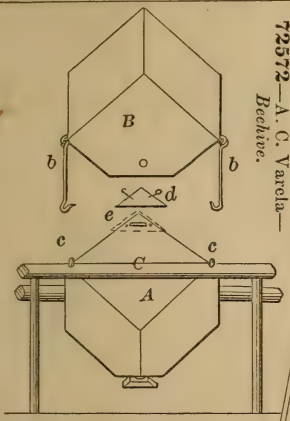


72569—H. A. Tremper—*Copy Holder.*

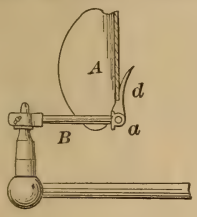




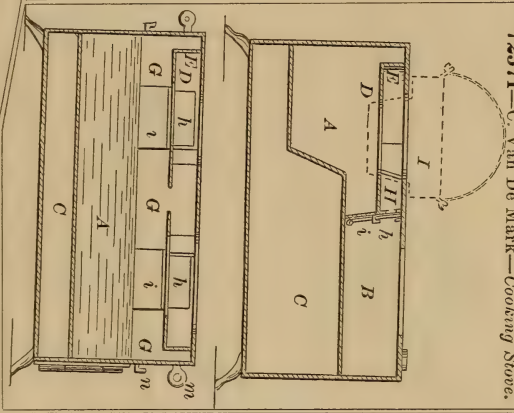
72572—A. C. Varela—*Beehive.*



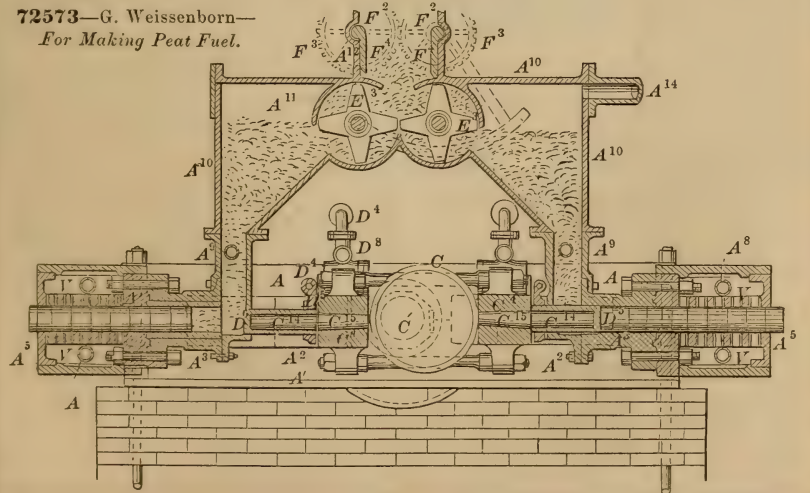
72570—W. Ulrich—*Reflector.*



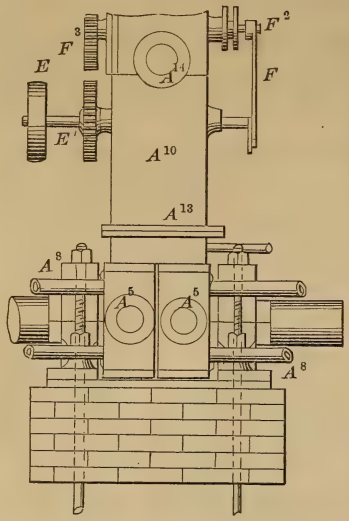
72571—C. Van De Mark—*Cooking Stove.*



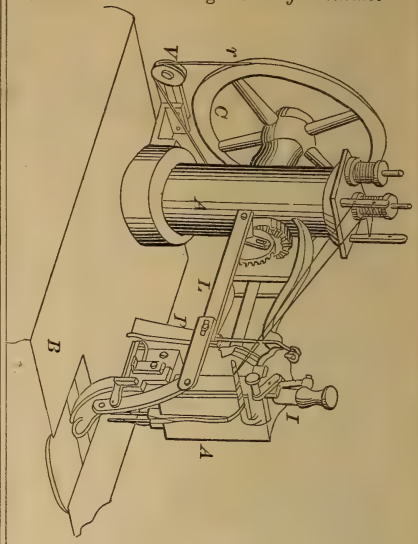
72573—G. Weissenborn—*For Making Peat Fuel.*



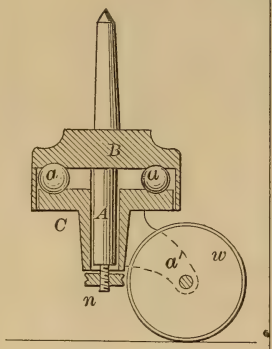
72573—*Continued.*



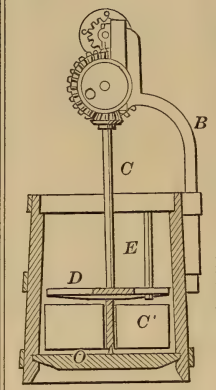
72574—W. Weitling—*Sewing Machine.*



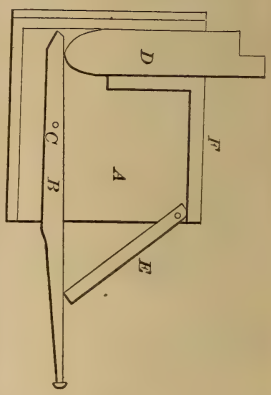
72575—J. White—*Caster.*



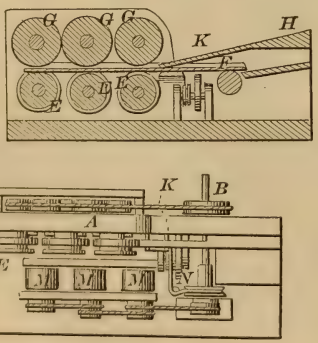
72576—Wiard & Nelson—*Churn.*



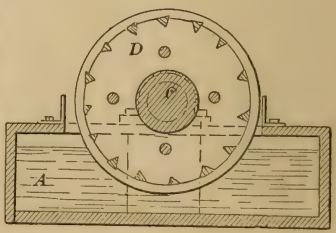
72577—T. Wiles—*Jack.*



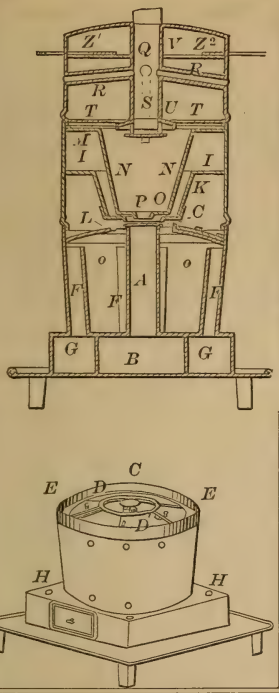
72578—J. E. Withers—*For Making Plug Tobacco.*



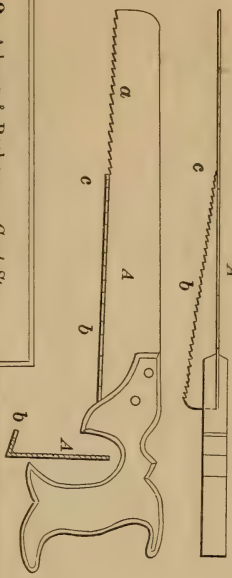
72579—H. K. York—*Manufacture of Iron and Steel.*



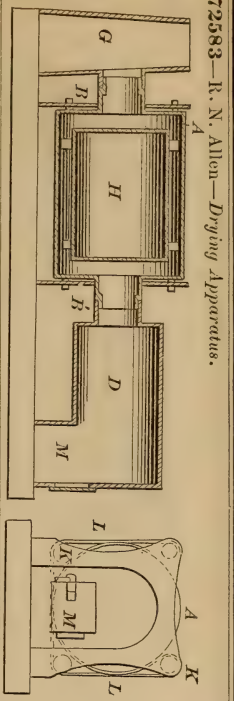
72580—Adams & Peckover—*Coal Stove.*



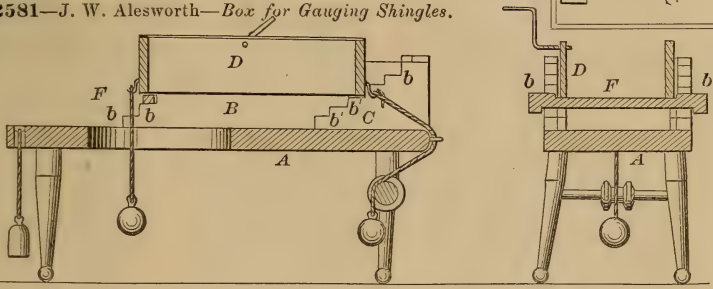
72582—J. F. Allen—*Hand Saw.*



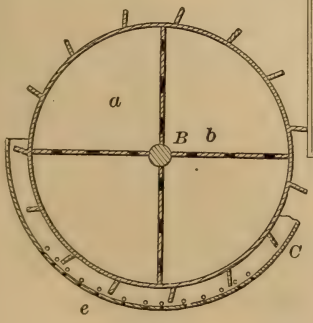
72583—R. N. Allen—*Drying Apparatus.*



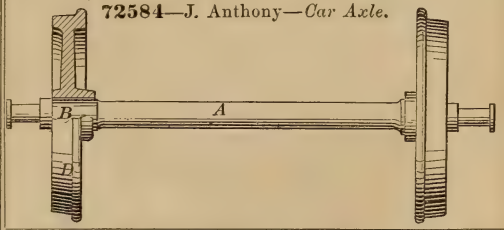
72581—J. W. Alesworth—*Box for Gauging Shingles.*



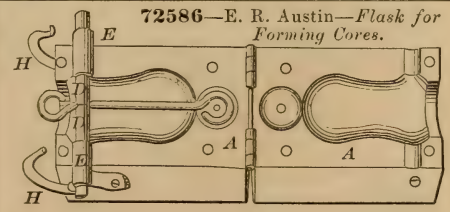
72585—E. H. Ashcroft—*For Washing Sheep Skins.*



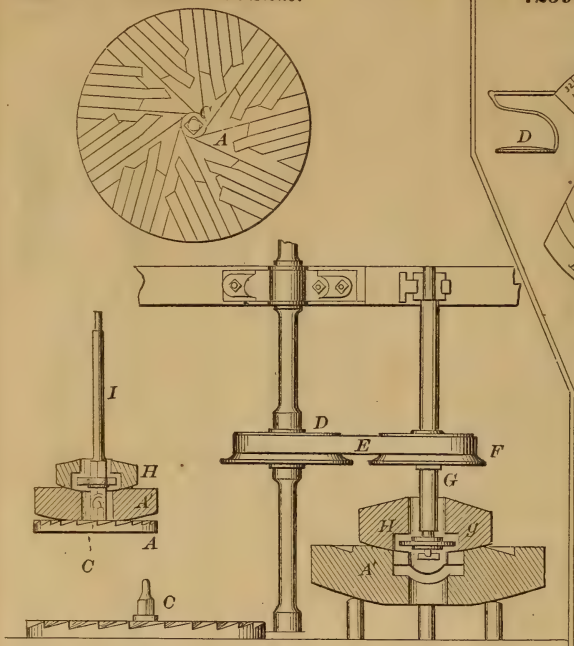
72584—J. Anthony—*Car Axle.*



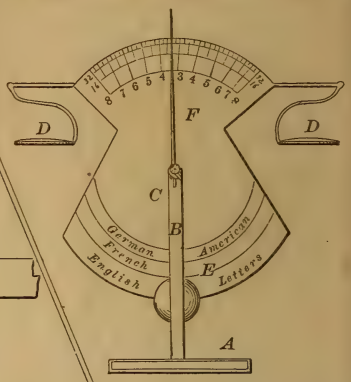
72586—E. R. Austin—*Flask for Forming Cores.*



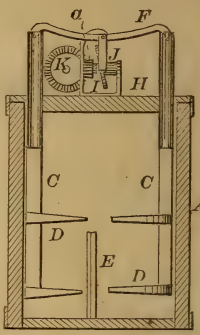
72587—W. Bahme—*Mill Stone.*



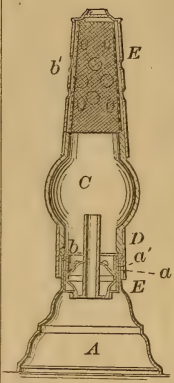
72593—I. Bisbee—*Balance.*



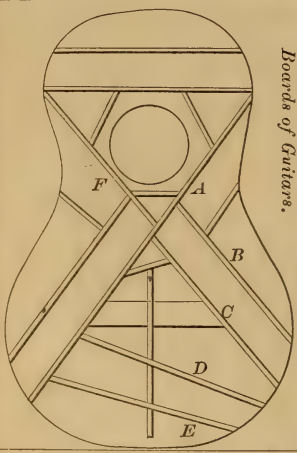
72588—H. B. Barber—*Churn.*



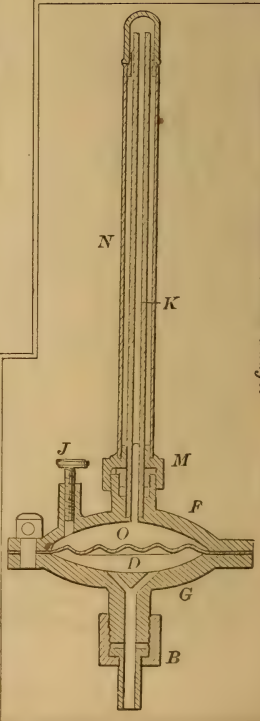
72589—H. Beebe—*Lantern.*



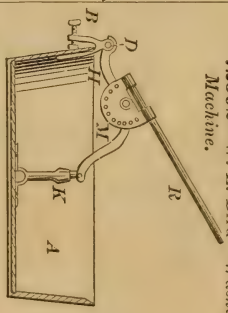
72591—J. E. Bini—*Bracing Sounding Boards of Guitars.*



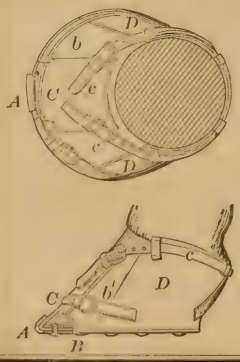
72595—M. Bottcher—*Steam Gauge.*



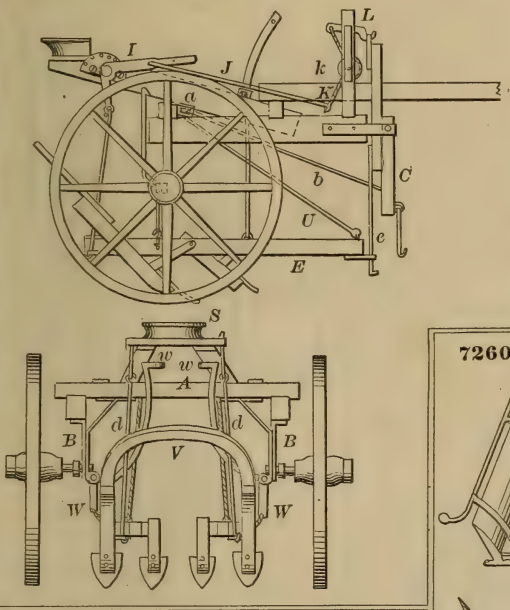
72592—W. E. Bird—*Washing Machine.*



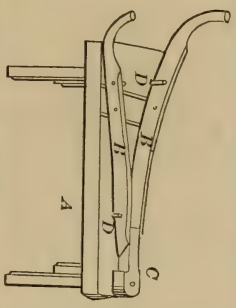
72594—T. B. Bishop—*Horse Shoe.*



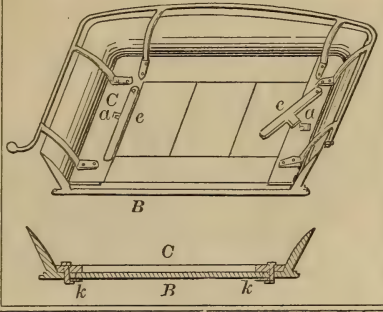
72598—J. E. Brooks—*Cultivator.*



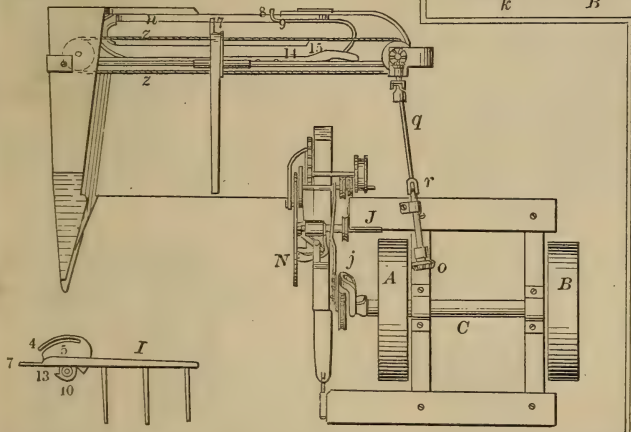
72596—T. E. C. Brinly—*Plow Handle.*



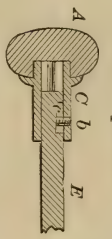
72602—E. Chamberlin—*Carriage Seat.*



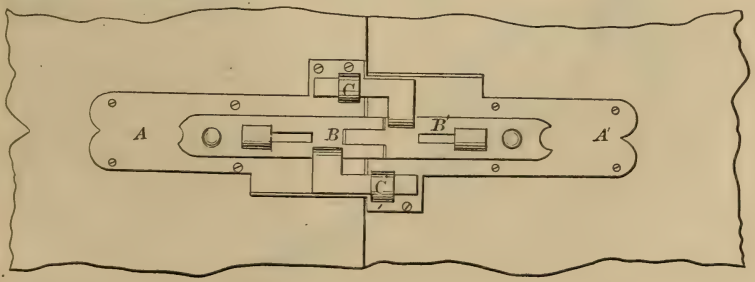
72599—R. D. Brown—*Harvester Rake.*



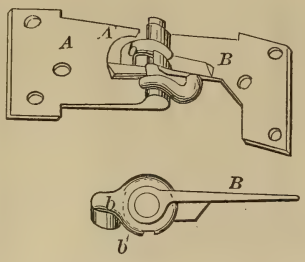
72597—C. B. Bristol—*Attaching Door Knobs to Spindles.*



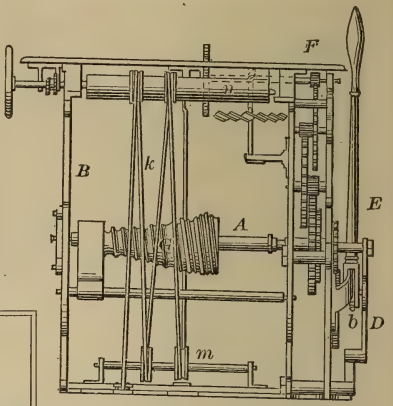
72600—P. Burke—*Shutter Bolt.*



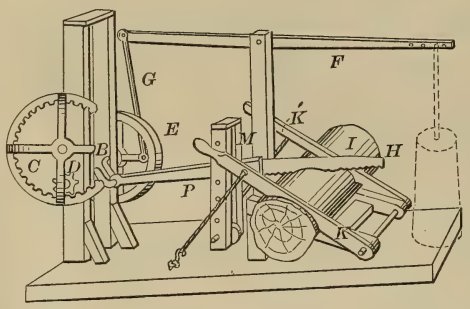
72603—P. P. Child—*Window Shutter Hinge.*



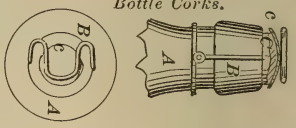
72607—G. Cuppers—*Sewing Machine.*



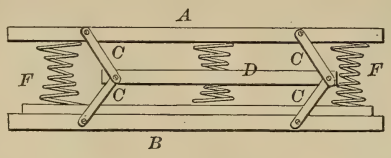
72608—C. M. Currey—*Mechanical Movement.*



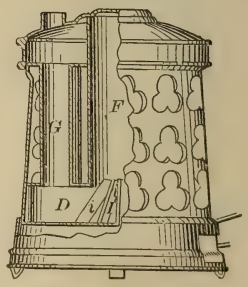
72606—F. W. Copcutt—*For Labeling Bottle Corks.*

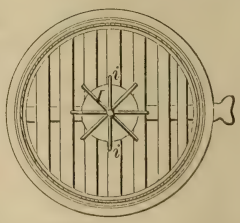


72605—Cook & Simmons—*Bed Bottom.*



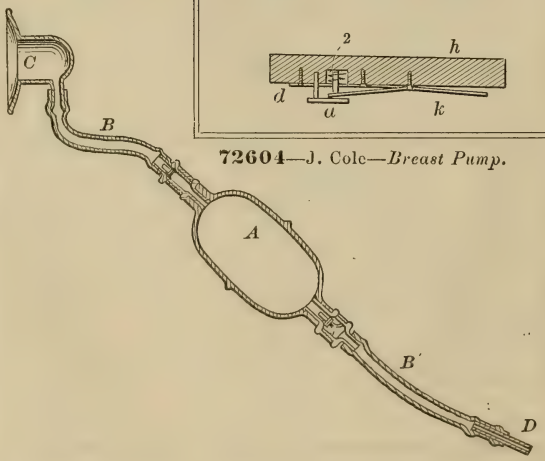
72610—A. Dart—*Stove.*



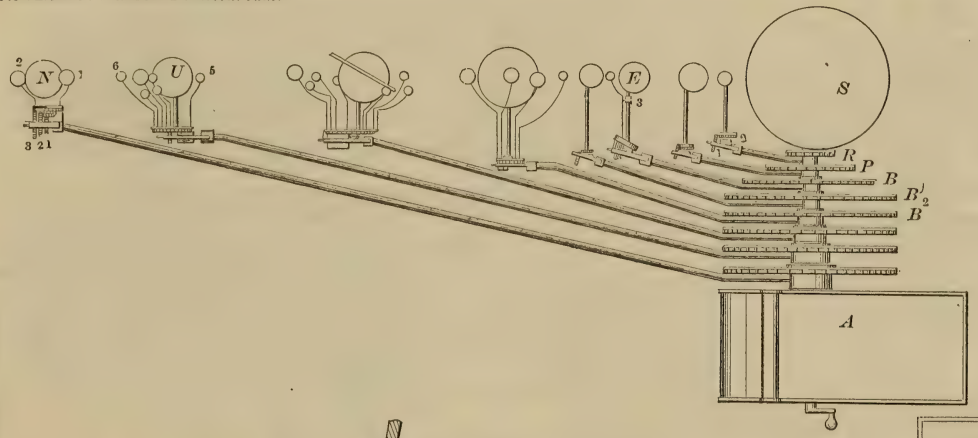


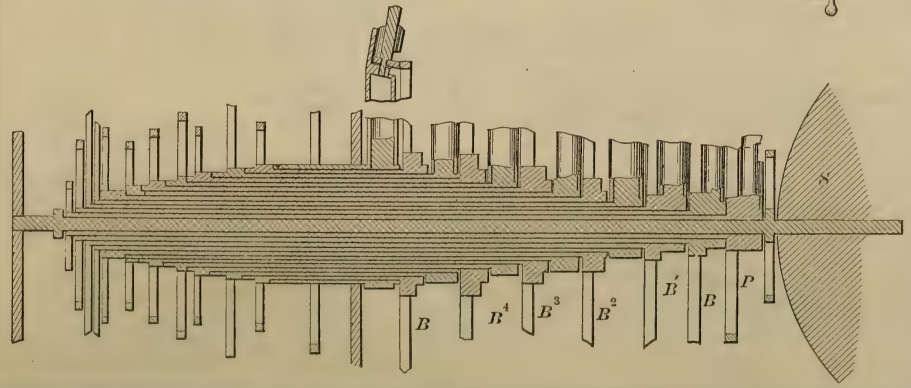
72609—J. Currier—*Blind Catch.*

72604—J. Cole—*Breast Pump.*

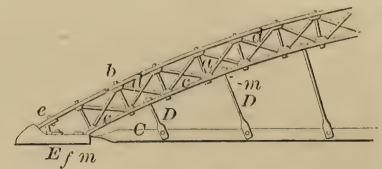


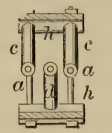
72612—J. Davis—*Planetarium.*

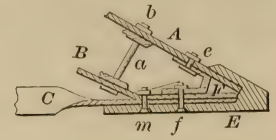




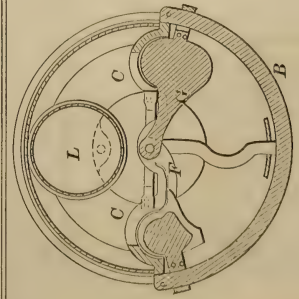
72611—J. Davenport—*Bridge Girder.*

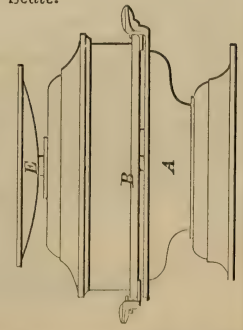




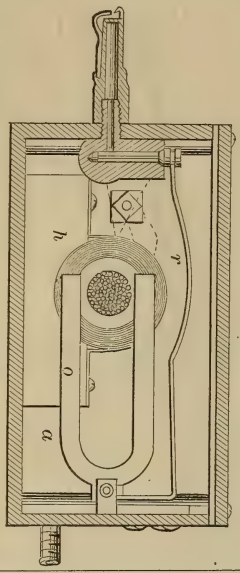


72615—L. Eddy—*Weighing Scale.*

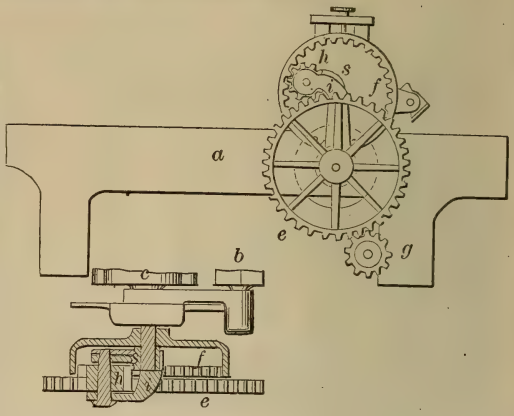




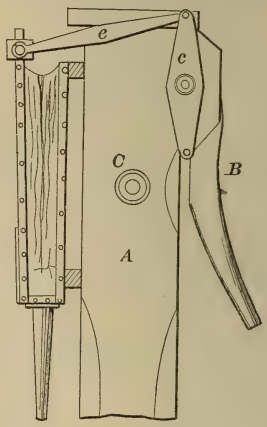
72616—M. G Farmer—*Lighting and Extinguishing Gas.*



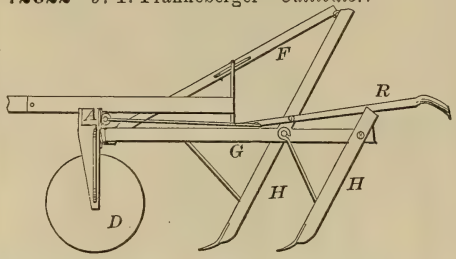
72618—B. Fitts—*Planing Machine.*



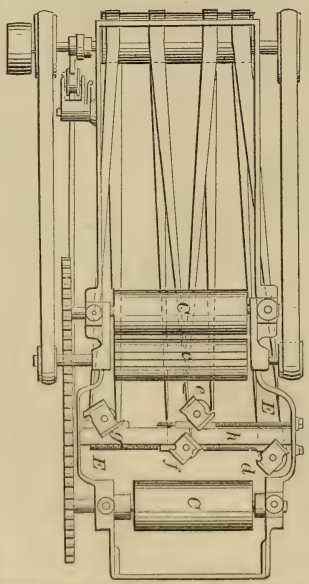
72620—G. R. Forsyth—*Pump.*



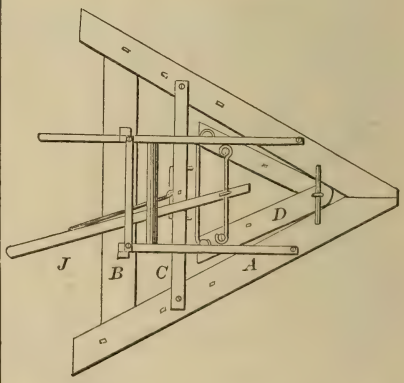
72622—J. T. Frankeberger—*Cultivator.*



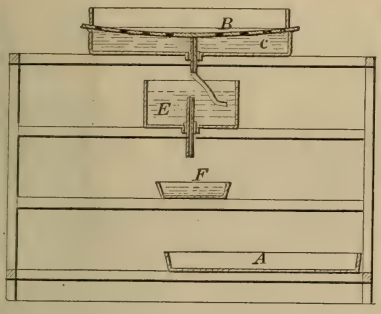
72619—B. Fitts—*Planing Machine.*



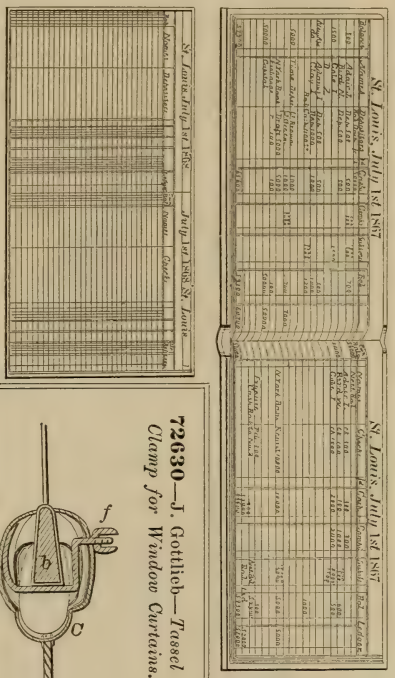
72623—J. T. Frankeberger—*Harrow.*



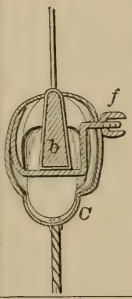
72625—J. M. Fuchs—*For Manufacturing Albumen.*



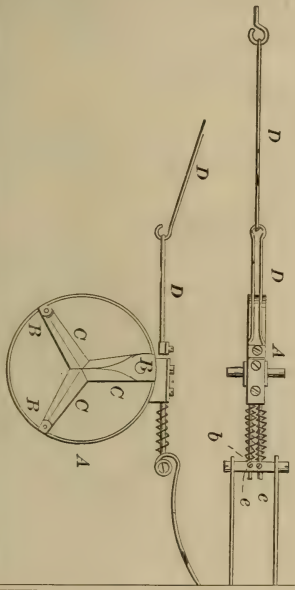
72629—J. H. Gleim—*Book for Book-keeping.*



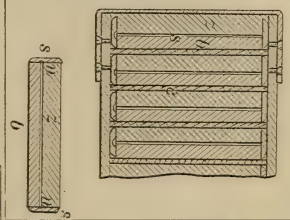
72630—J. Gottlieb—*Tassel Clamp for Window Curtains.*



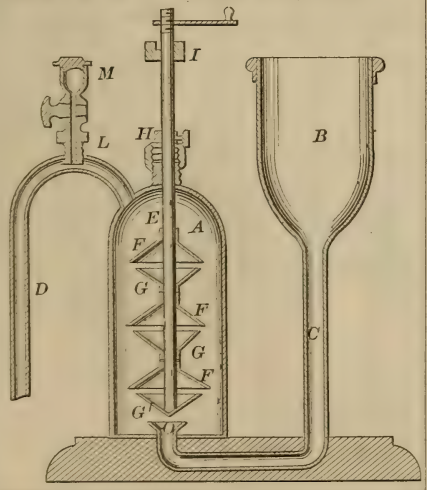
72624—C. R. Frink—*Hay Spreader.*



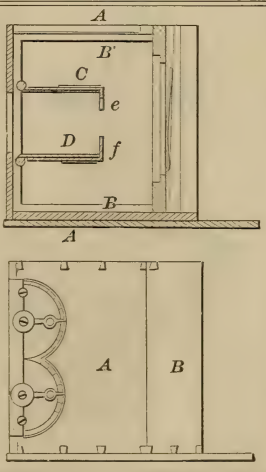
72628—A. C. Garratt—*Voltaic Pile.*



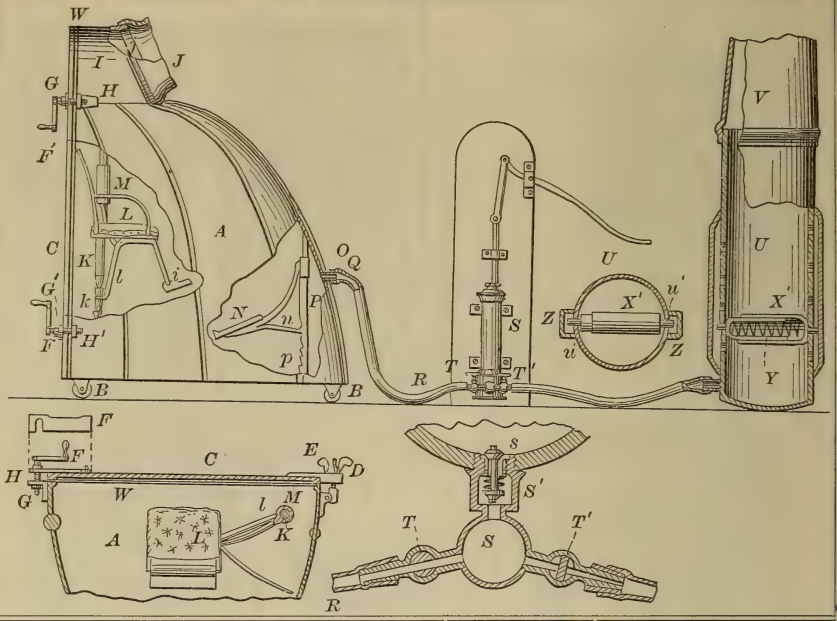
72626—W. M. Fuller—*Ore Amalgamator.*



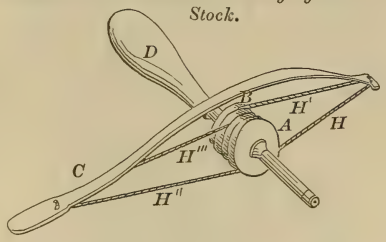
72627—F. B. Gage—*Photographic Camera.*



72631—J. G. Hadfield—*Medical Vacuum Apparatus.*

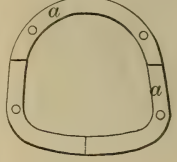


72632—D. F. Hartford—*Stringing Bow Drill Stock.*

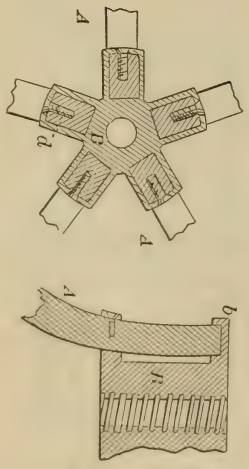


72633—H. A. Harvey—*Wood Screw.*

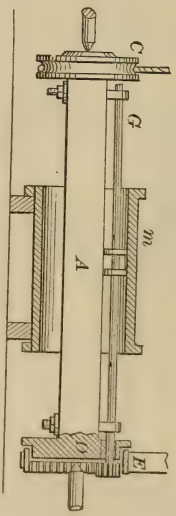
72634—L. Heywood—*Wooden Chair Seat.*



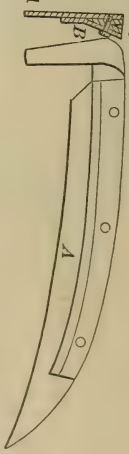
72635—L. Heywood—*Socket for Revolving Chairs.*



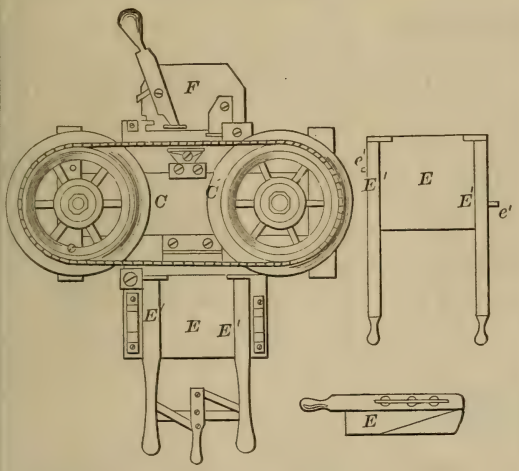
72636—W. C. Hicks—*For Polishing Cylindrical Concave Surfaces.*



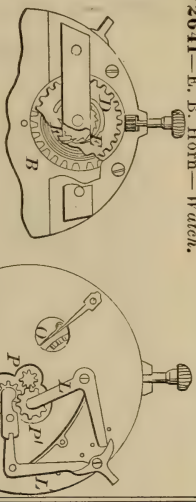
72638—C. M. Hodges—*Scythe.*



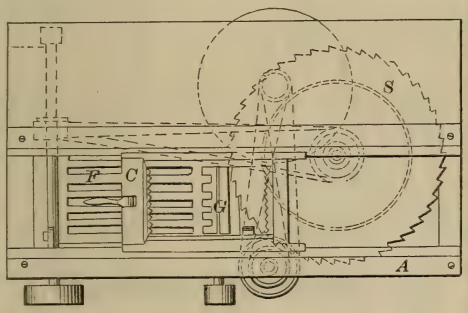
72640—W. E. Hopkins—*Stave Machine.*



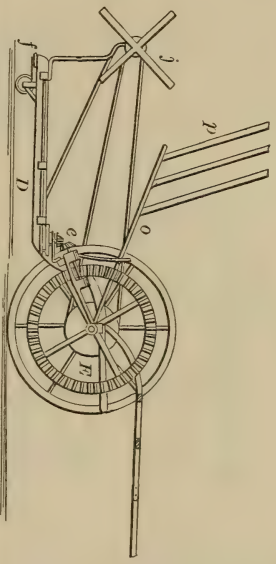
72641—E. B. Horn—*Watch.*



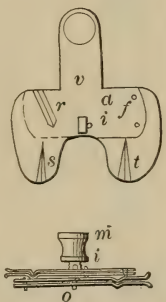
72639—C. J. Holman—*For Sawing Barrel Heading.*



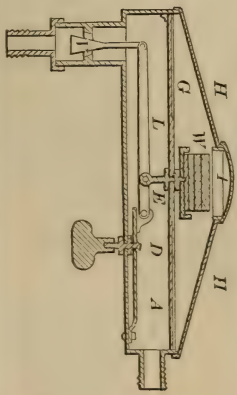
72644—W. B. Johns—*Harvester Rake.*



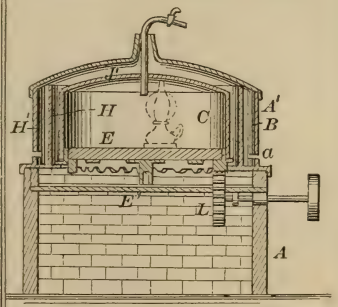
72642—O. T. Horr—*Sewing Machine.*



72643—H. G. Hubert—*Gas Regulator.*



72645—J. A. Kinkele—*Oven.*



72646—G. Kuhlmann—*Table.*

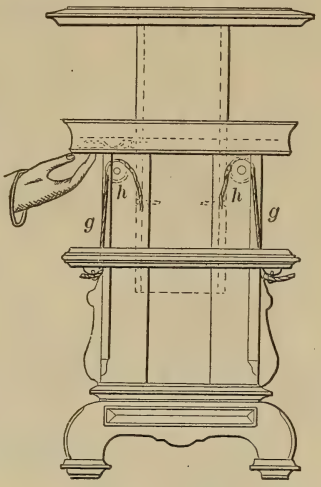
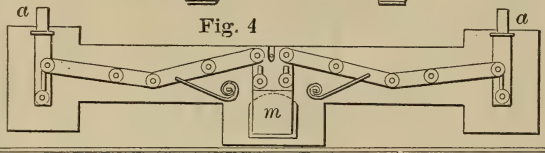
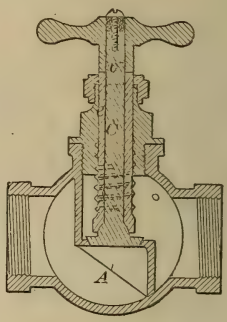


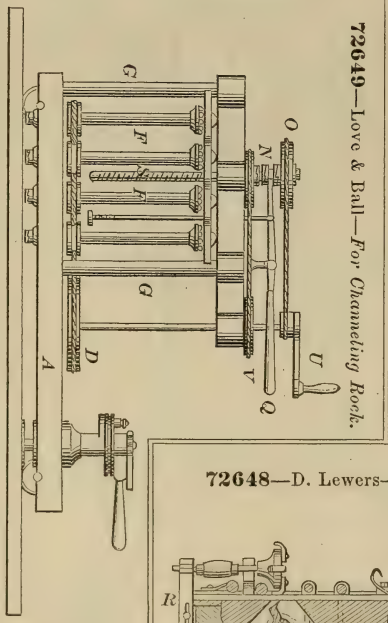
Fig. 4



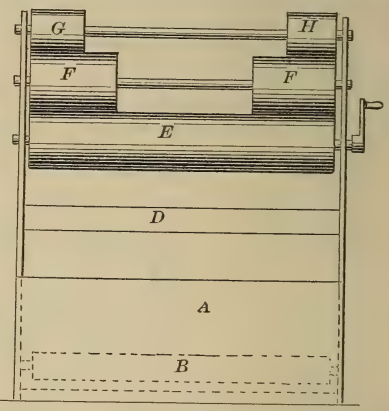
72650—J. B. Lowell—*Globe Valve.*



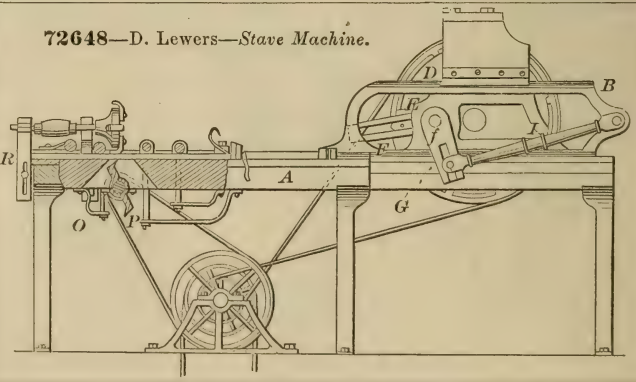
72649—Love & Ball—*For Channeling Rock.*



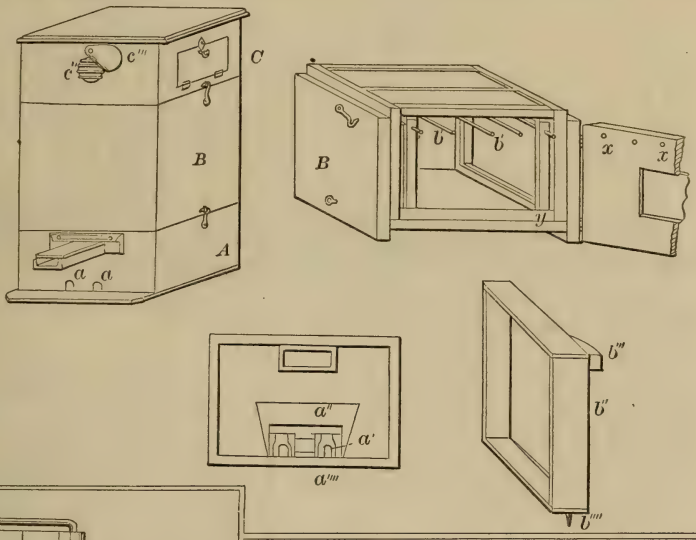
72647—J. Lee, Jr.—*Cloth Washing Machine*



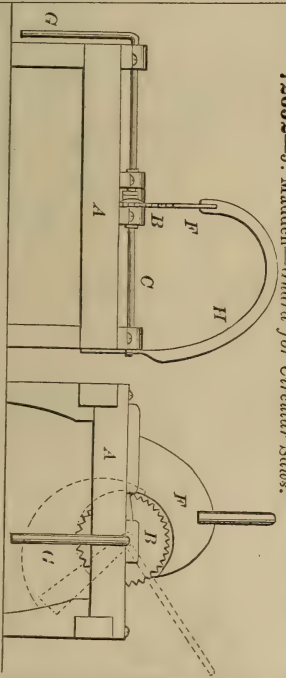
72648—D. Lewers—*Stave Machine.*



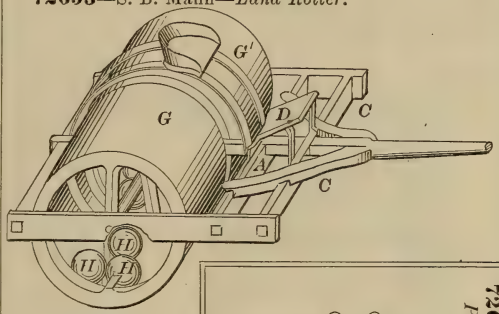
72651—J. J. Lower—*Beehive.*



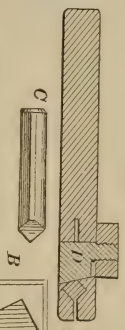
72652—J. Madden—*Gravel for Circular Saws.*



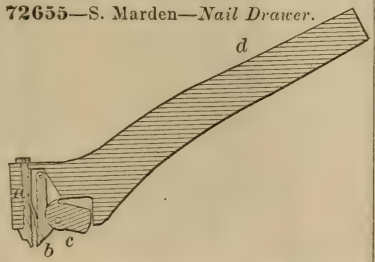
72653—S. B. Mann—*Land Roller.*



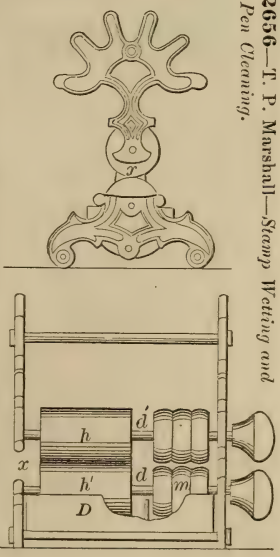
72654—J. P. Manton—*Tool Holder.*



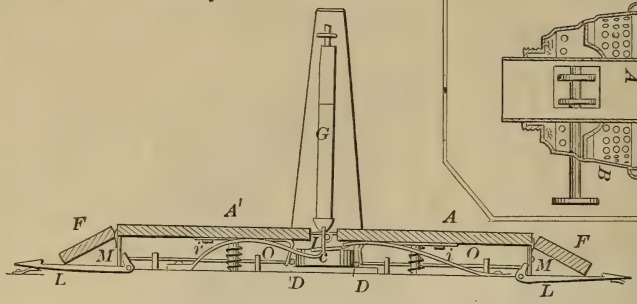
72655—S. Marden—*Nail Drawer.*



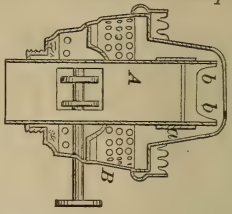
72656—T. P. Marshall—*Stamp Wetting and Pen Cleaning.*



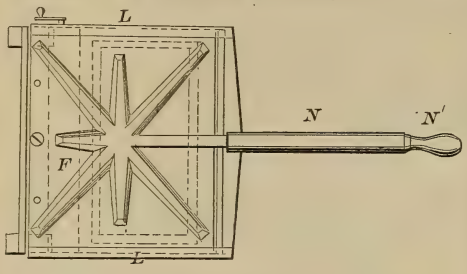
72657—C. F. Mawbey—*Gate.*

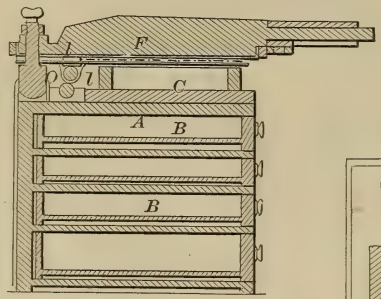


72659—W. McCaine—*Lamp Burner.*

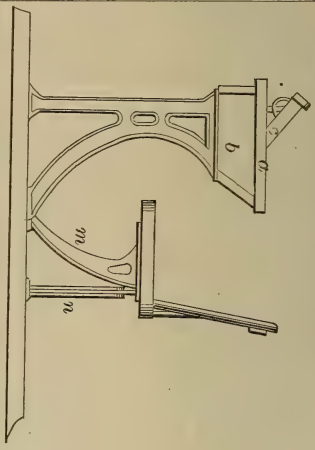


72660—J. W. McDonald—*Printing Press.*

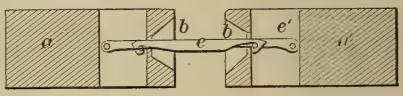




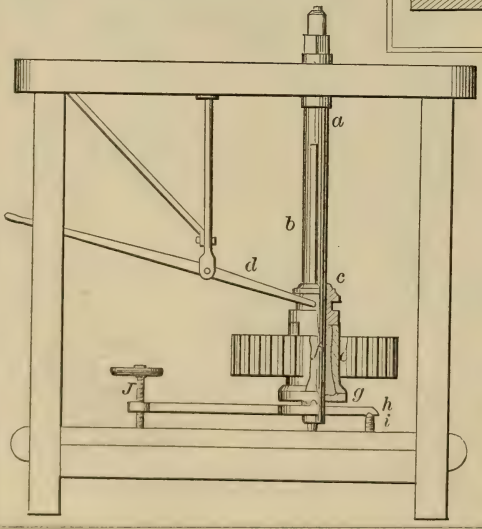
72662—H. S. McRae—*School Desk.*



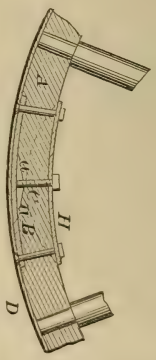
72664—W. J. Millar—*Car Coupling.*



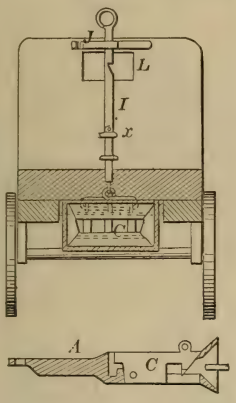
72661—J. H. McMinn—*Mill Spindle.*



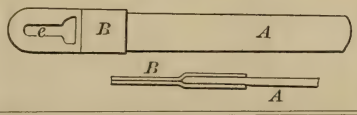
72663—M. J. Mellyn—*Securing Felloes.*



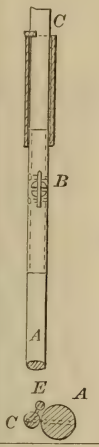
72665—S. Mills—*Car Coupling.*



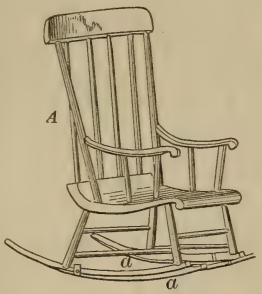
72666—T. A. Mitchell—*Carriage Curtain Fastening.*



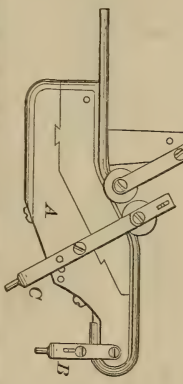
72667—J. H. Montrose—*Hinged Fishing Rod.*



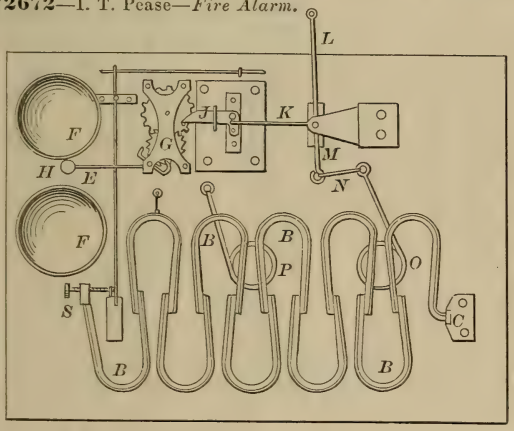
72668—C. J. Nelson—*Rocking Chair.*



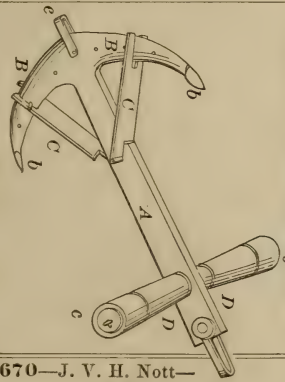
72669—J. Noland—*For Bending Metals.*



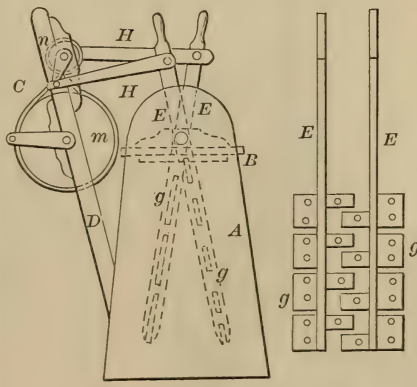
72672—I. T. Pease—*Fire Alarm.*



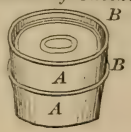
72671—J. Parish—*Drag Hook.*



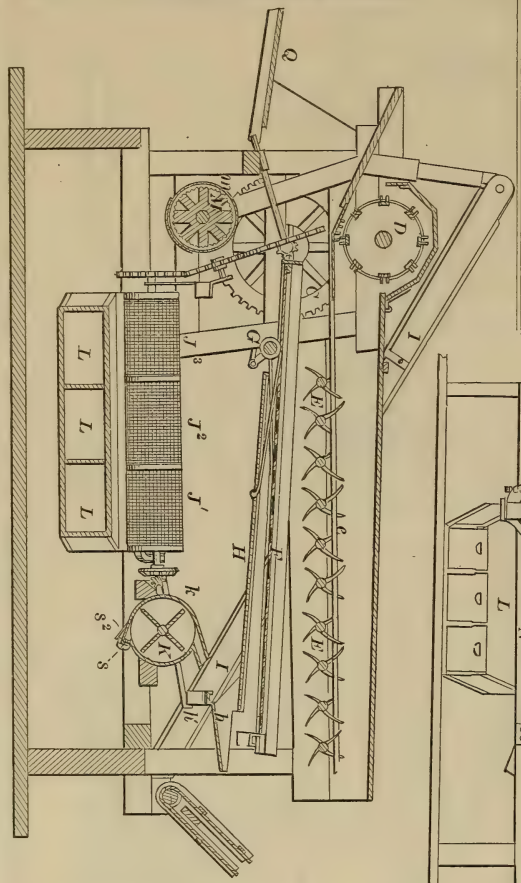
72673—J. Pelsor—*Churn.*



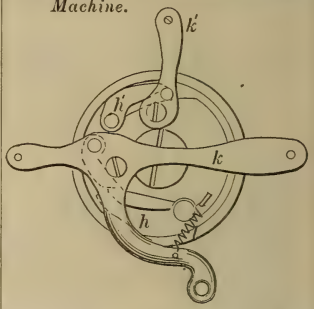
72670—J. V. H. Nott—*Construction of Checkers.*

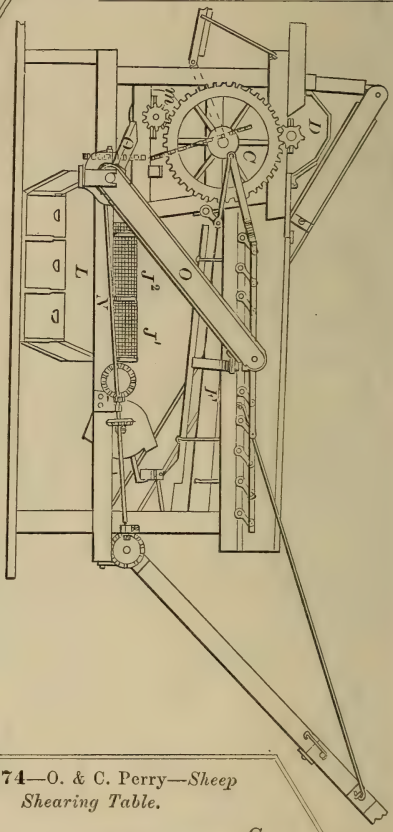


72675—M. E. Phillips—*Threshing Machine.*

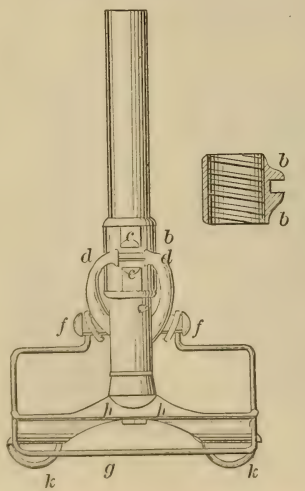


72676—G. W. Powers—*Sewing Machine.*

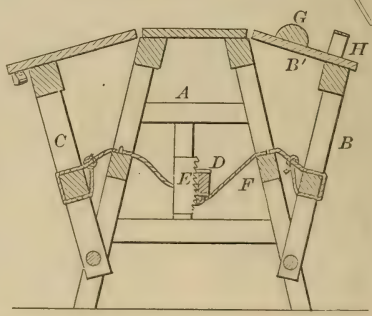




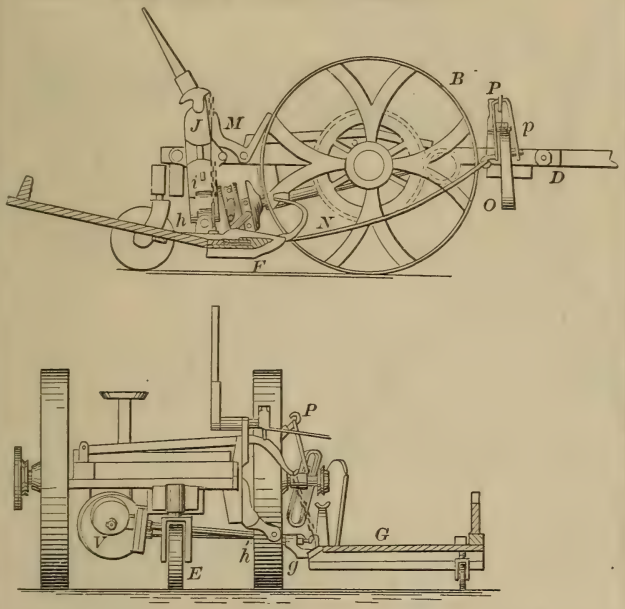
72677—T. T. Prosser—*Brush and Mop Head.*



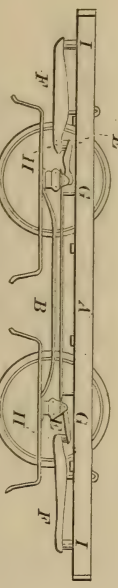
72674—O. & C. Perry—*Sheep Shearing Table.*



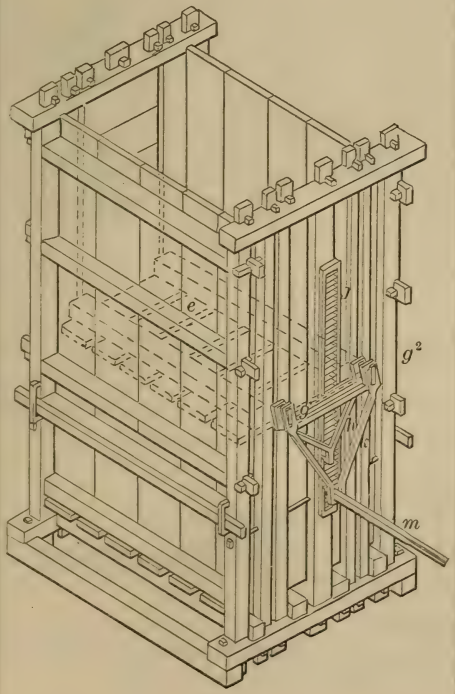
72678—Quick, Opie & Ferrand—*Harvester.*



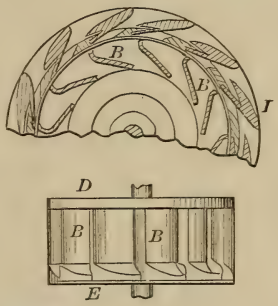
72679—B. L. Randall—*Railway Carriage.*



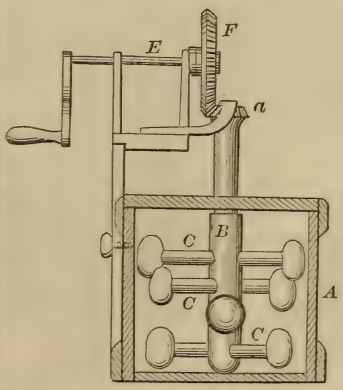
72681—A. C. Richards—*Hay Press.*



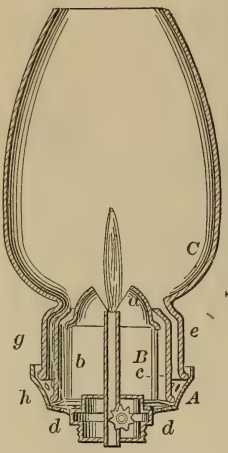
72680—J. Raney—*Water Wheel.*



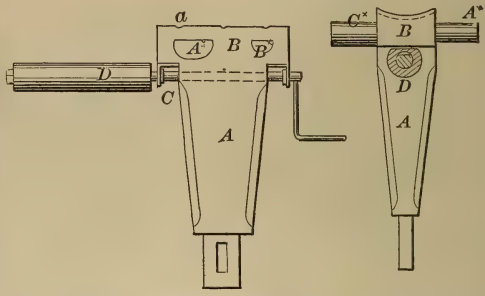
72682—J. Risher—*Churn.*



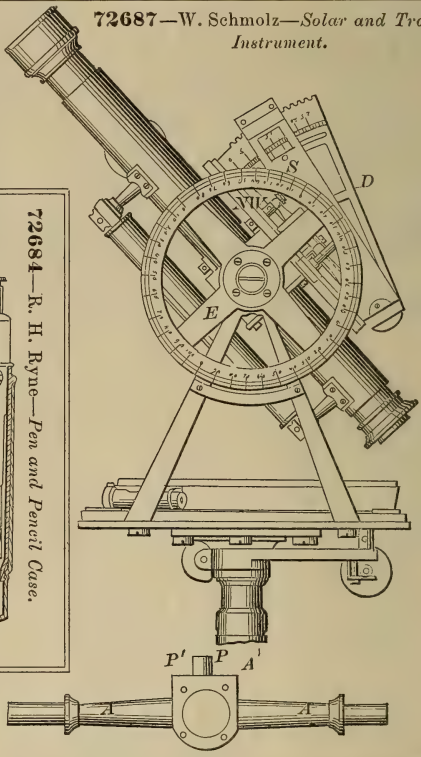
72683—Russell & Clifford—*Lamp.*



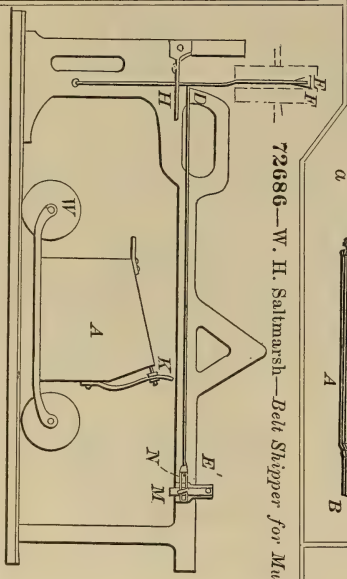
72688—W. Serviss—*For Making Rings.*



72687—W. Schmolz—*Solar and Transit Instrument.*

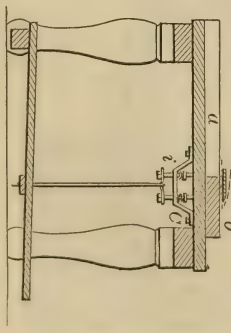


72686—W. H. Saltmarsh—*Belt Shipper for Mules*

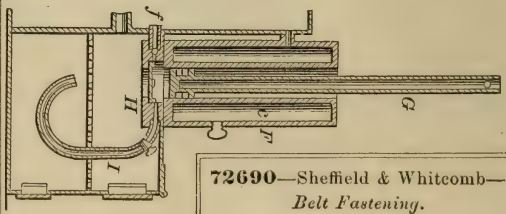


72684—R. H. Ryne—*Pen and Pencil Case.*

72685—J. F. Sachse—*Cloth Plaiting Machine.*

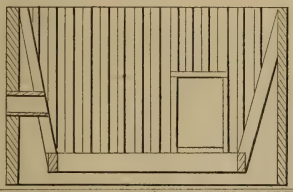


72689—G. V. Sheffield—*Steam Generator.*



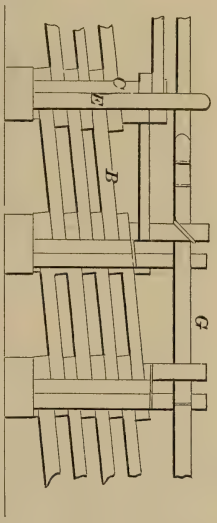
72690—Sheffield & Whitcomb—*Belt Fastening.*

72691—T. Shapard—*Cleaning Cotton.*

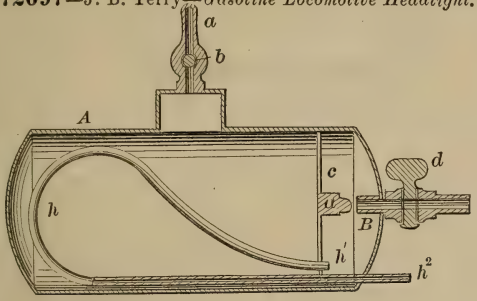


72692—A. M. Smith—*Sash Lock*

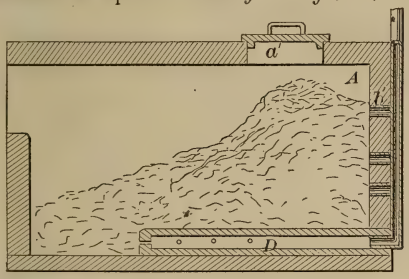
72693—Smith & Olds—*Fence.*



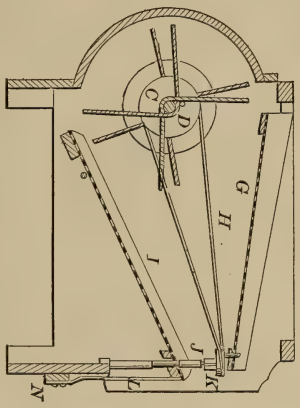
72697—J. B. Terry—*Gasoline Locomotive Headlight.*



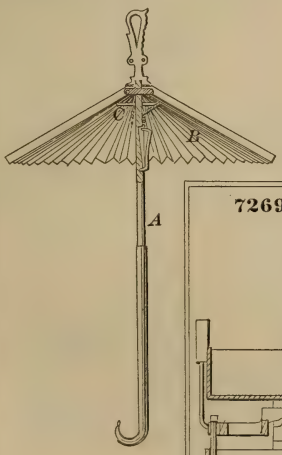
72694—H. Speeler—*Heating Pottery Oven.*



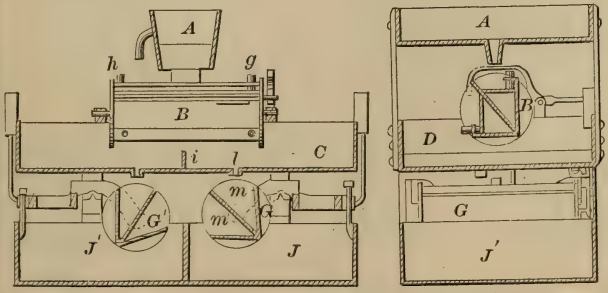
72696—F. Swift—*Grain Separator.*



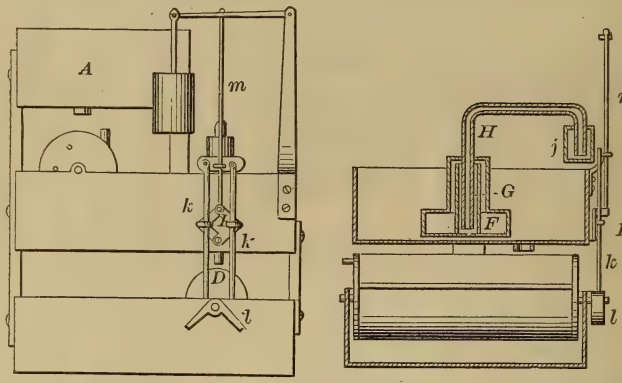
72695—C. St. John—*Parasol.*



72698—I. P. Tice—*Spirit Meter.*



72701—I. P Tice—*Spirit Meter.*



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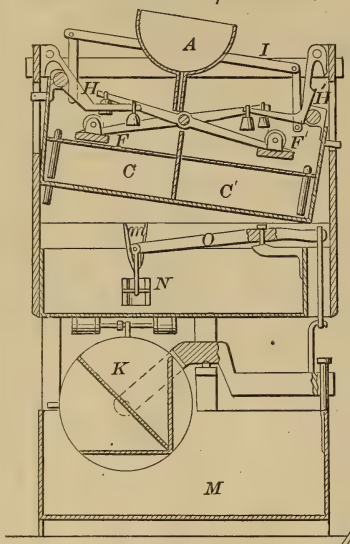
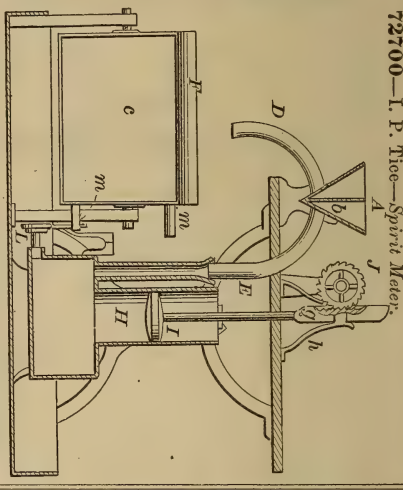
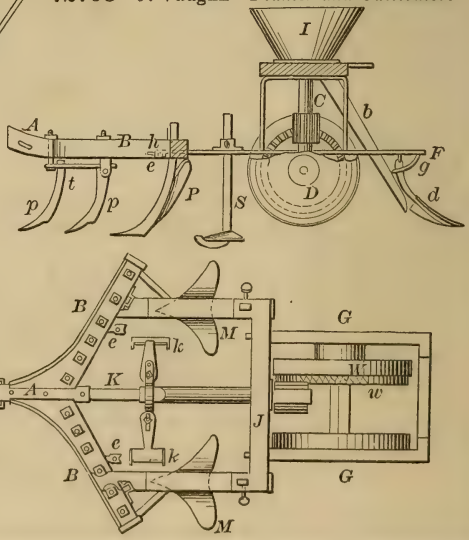


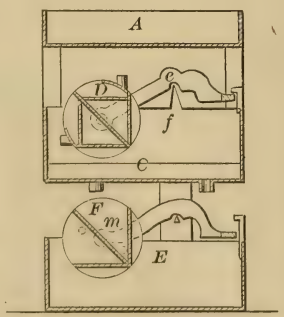
72700—I. P. Tice—*Spirit Meter.*



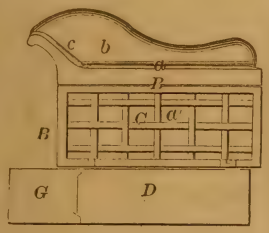
72703—J. Vaughn—*Planter and Cultivator.*

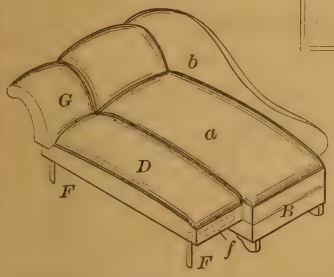


72702—I. P. Tice—*Spirit Meter.*

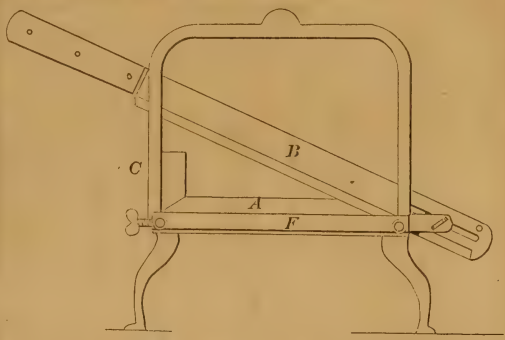


72704—C. F. Vollmer—*Extension Bed Lounge.*

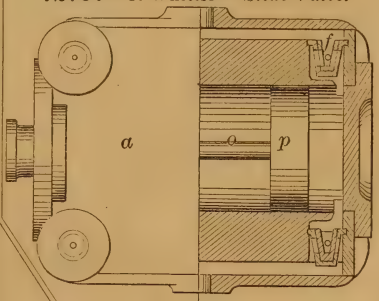




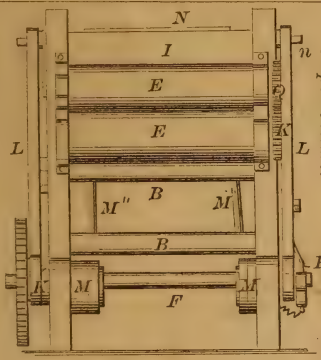
72709—G. D. Williams—*Bread Cutter.*



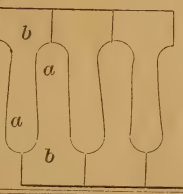
72707—C. Whittier—*Slide Valve.*



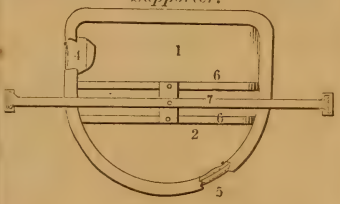
72705—O. F. Washburn—*For Making Paper Collars.*

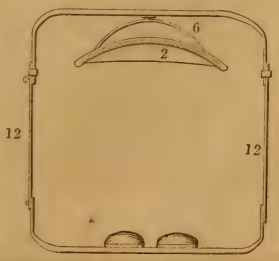


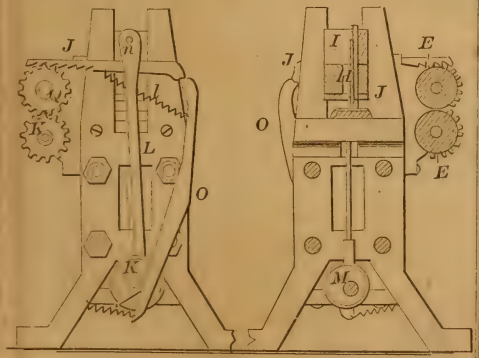
72706—L. S. White—*Spoon Blank.*



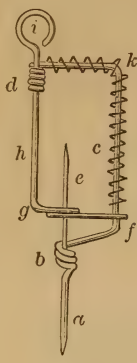
72710—W. M. Young—*Abdominal Supporter.*



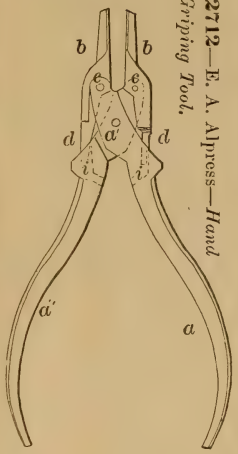




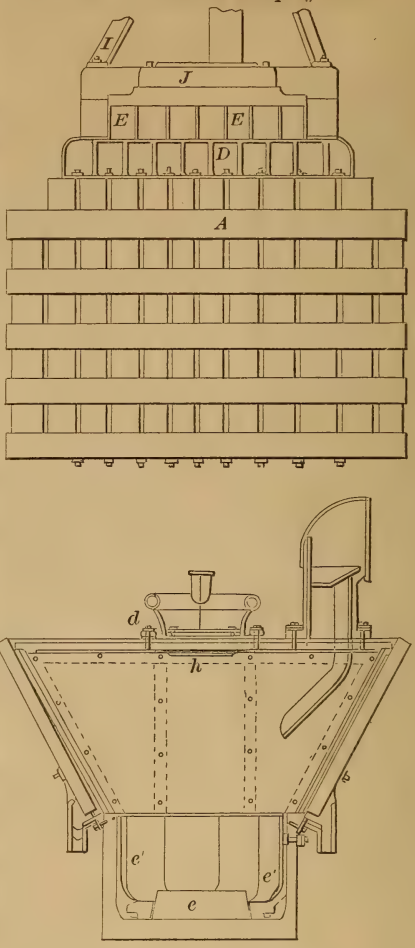
72711—J. Adair—*Paper File.*



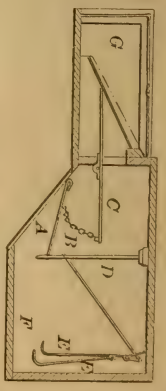
72712—E. A. Alpress—*Hand Gripping Tool.*



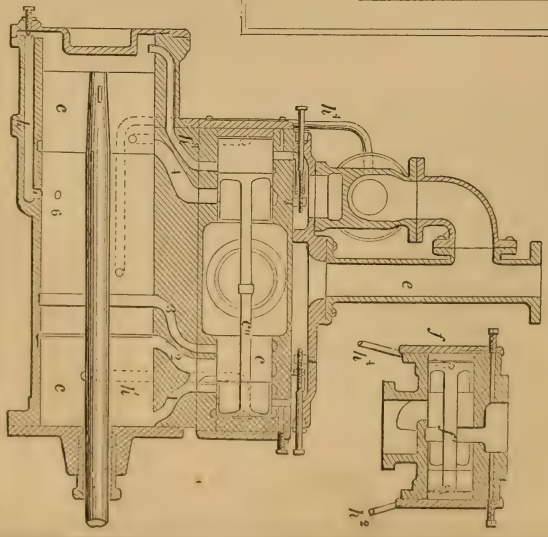
72715—W. Ball—*For Stamping Ores.*



72713—S. M. Armstead—*Animal Trap.*

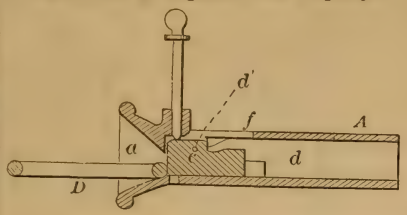


72714—W. Ball—*Steam Engine.*

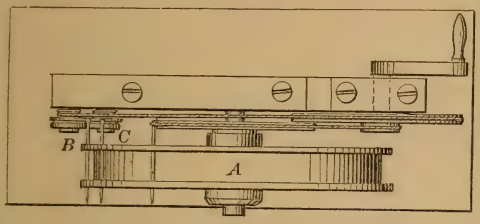


72716—W. E. Barton—*Sleigh Bell.*

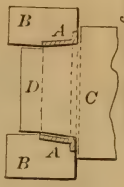
72717—E. R. Bigelow—*Car Coupling.*



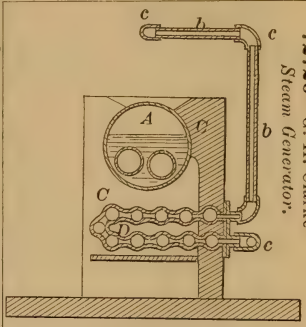
72718—E. F. Bradley—*Head Roll for Pin Machines.*



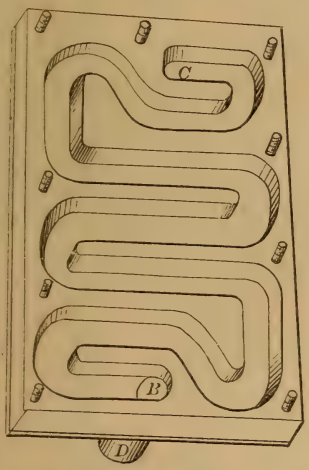
72719—E. E. Butler—*Making Hat Bands.*



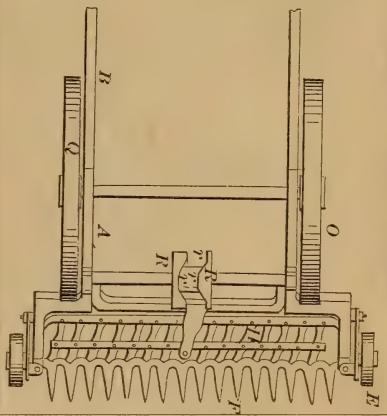
72720—G. H. Clarke—*Steam Generator.*



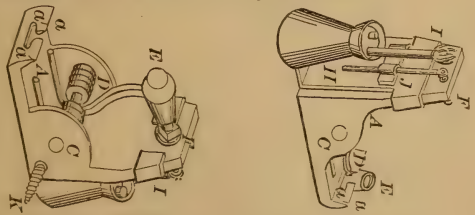
72721—C. F. Conrad—*Windworm for Bellows.*



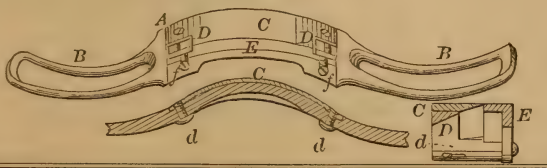
72722—R. F. Cooke—*Harvester.*



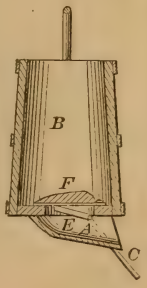
72723—Crum & Irwin—*Burglar Alarm.*



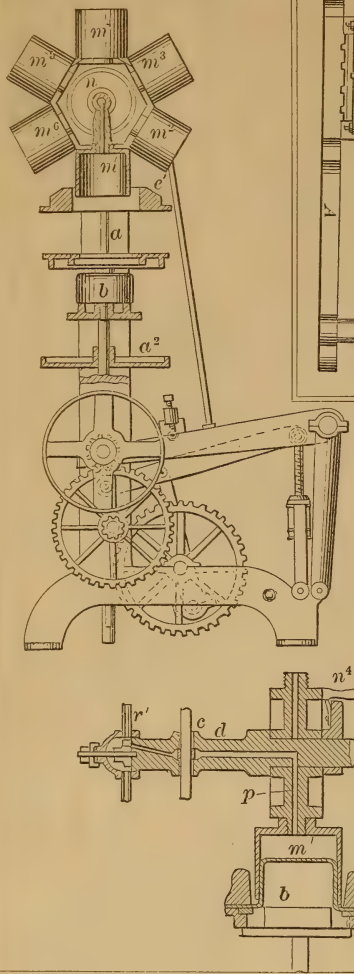
72724—F. S. Dawes—*Heel Shave.*



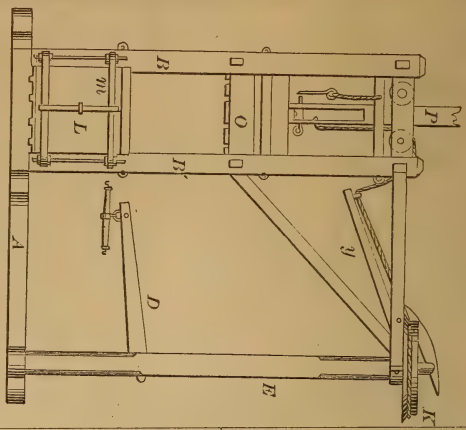
72725—J. Daykin—*Water Drawer.*



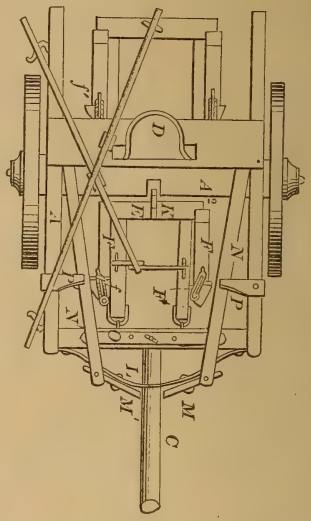
72726—R. Eickmeyer—*For Blocking and Shaping Hats.*



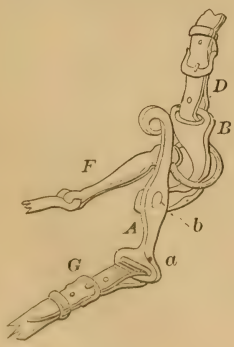
72728—G. Ertel—*Beater Press.*



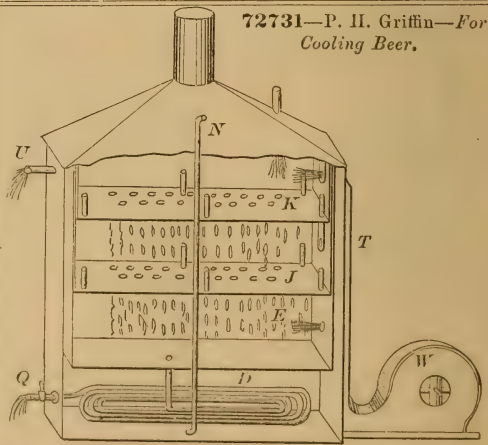
72730—W. Foster—*Gang Plow.*



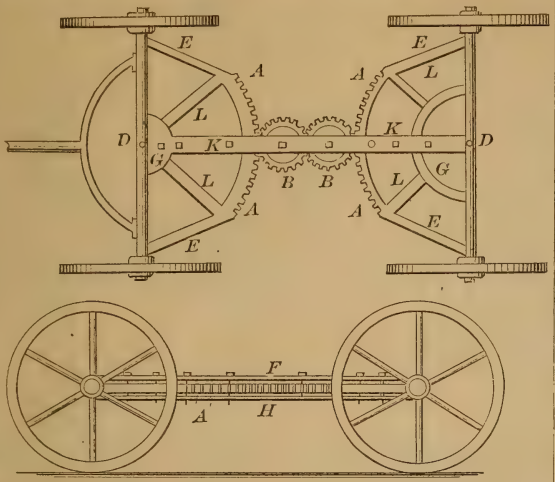
72729—R. Fink—*Bridle.*



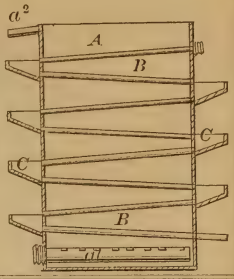
72731—P. H. Griffin—*For Cooling Beer.*



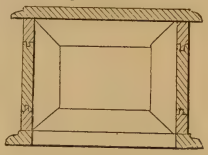
72737—D. W. Hutchinson—*Four-Wheeled Vehicle.*



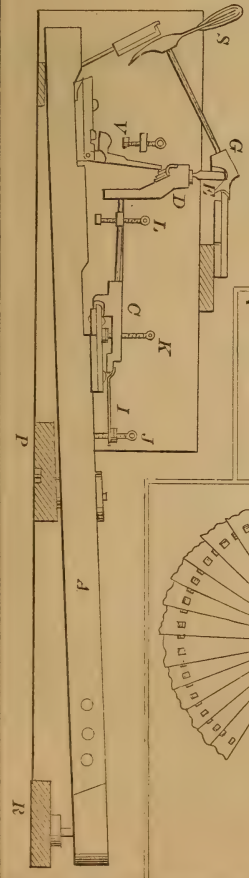
72733—H. Heimerle—*Beer Cooler.*



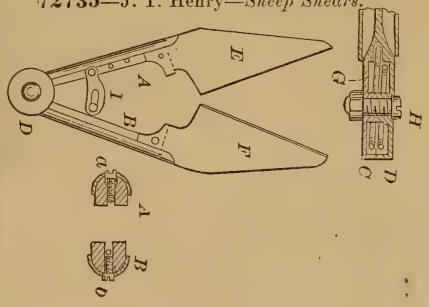
72739—J. Johnson—*Sewing Machine Case.*



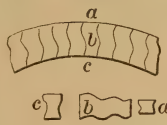
72738—A. B. Irving—*Piano Forte Action.*



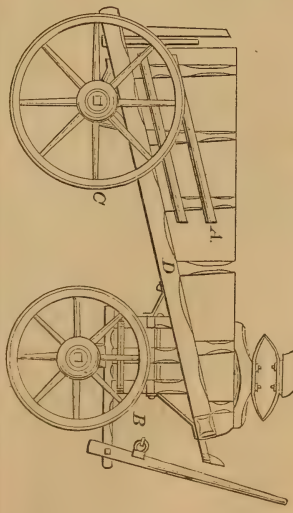
72735—J. T. Henry—*Sheep Shears.*



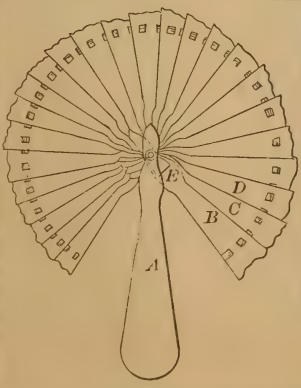
72734—E. Hennessey—*Brick.*



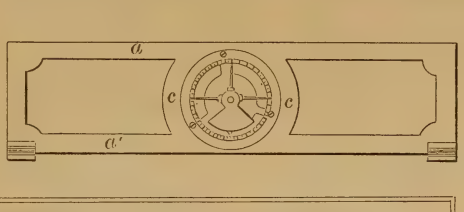
72736—G. W. Hoskin—*Wagon Body.*

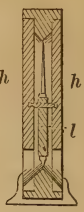


72732—T. W. Hawkins—*Fan.*



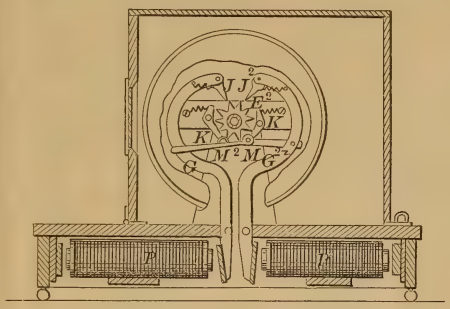
72740—J. L. L. Knox—*Clinometer and Level.*



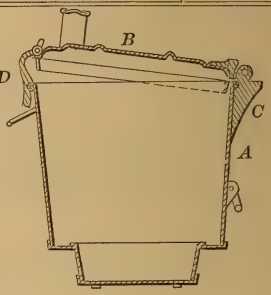


72741—R. Lanstrom—*Gas Burner Tip.*

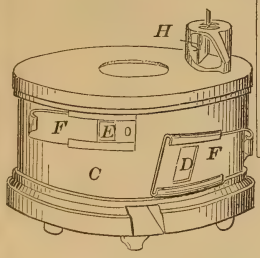
72742—S. S. Laws—*Electrical Indicator.*

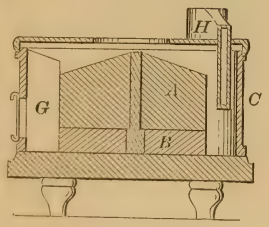


72746—H. Matthews—*Kettle.*

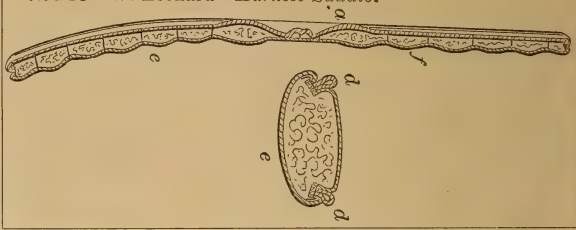


72744—J. Mallin—*Cooling Millstone and Curb.*

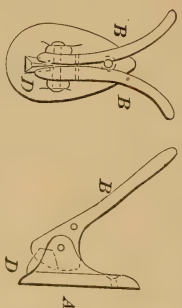




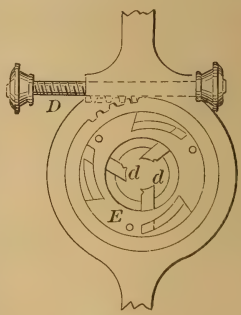
72743—W. Leonard—*Harness Saddle.*

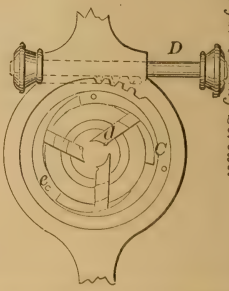


72748—S. S. Merriam—*Whip Hanger.*

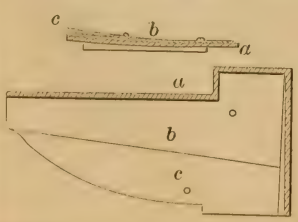


72747—D. McArthur—*Die Stock for Cutting Screws.*

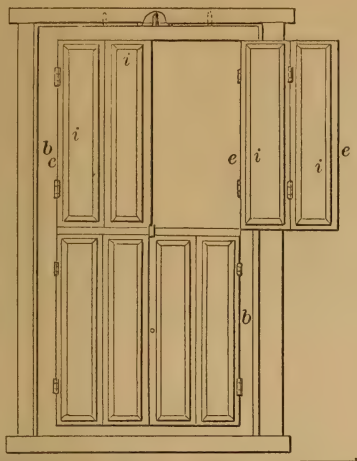




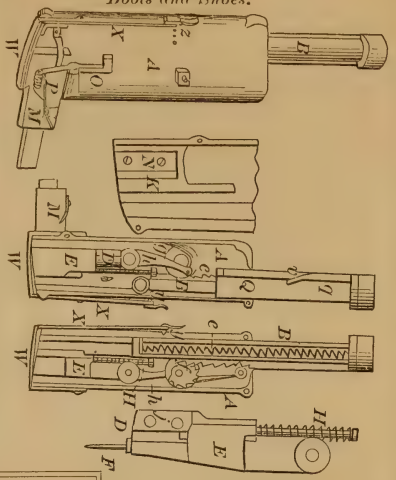
72745—L. Matt—*Piano Forte Sound Board.*

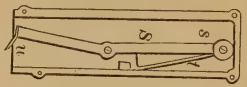


72749—P. Miller—*Window Shutter.*

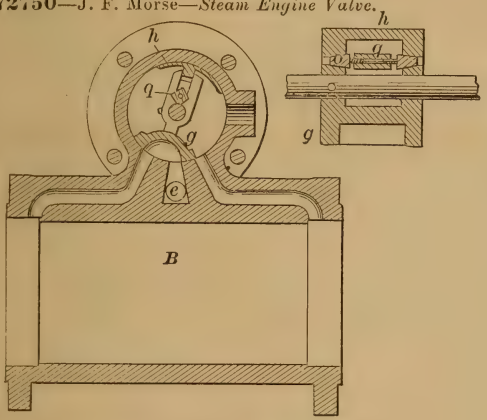


72753—D. D. Palmer—*For Pegging Boots and Shoes.*

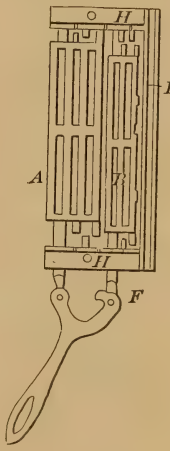




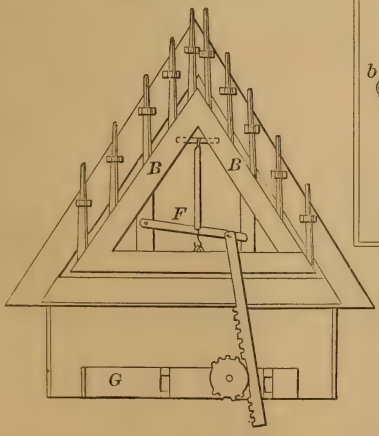
72750—J. F. Morse—*Steam Engine Valve.*



72754—D. E. Paris—*Stove Grate.*

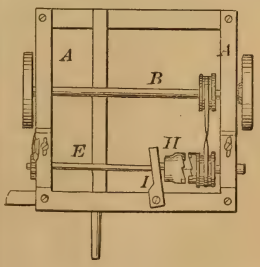


72752—W. J. Orr—*Cow Catcher on Rail Cars.*

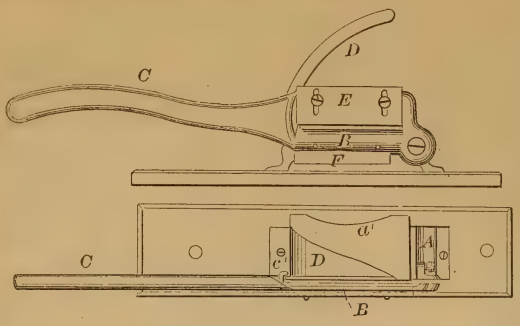


72751—P. H. Niles—*Sewing Guide.*

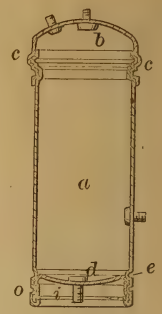
72756—T. E. Platt—*Harvester.*



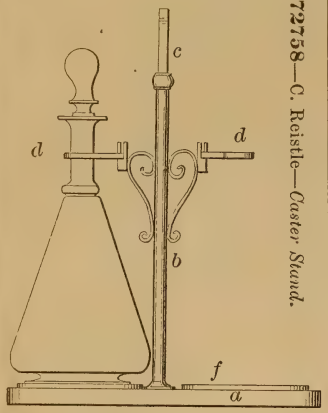
72757—A. J. Rayner—*Tobacco Cutter.*



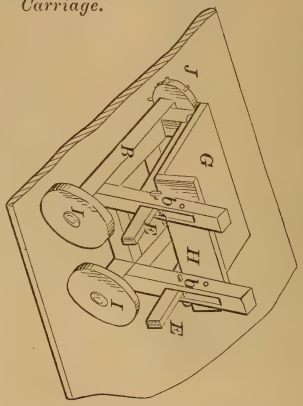
72760—H. Stegger—*Hot Water Boiler.*



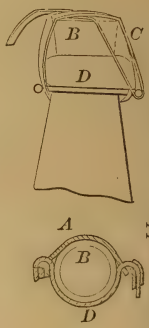
72758—C. Reistle—*Caster Stand.*



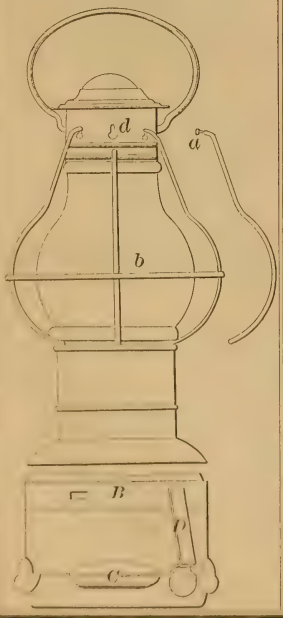
72762—C. Taft—*Shingle Carriage.*



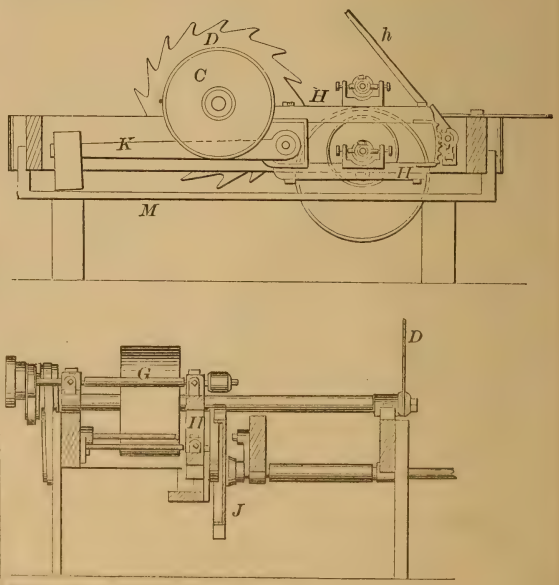
72761—R. S. Stubbs—*Bottle Stopper Fastening.*



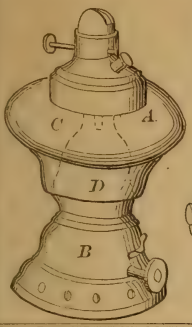
72759—J. O. Smith—*Lantern.*

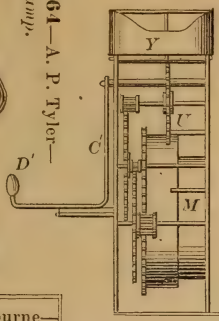


72763—J. Todd—*Circular Saw Mill.*

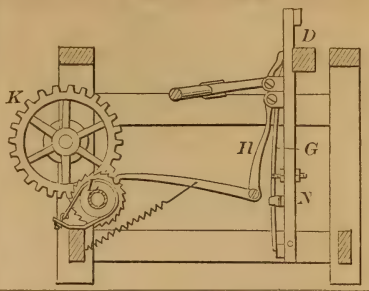


72764—A. P. Tyler—*Lamp.*

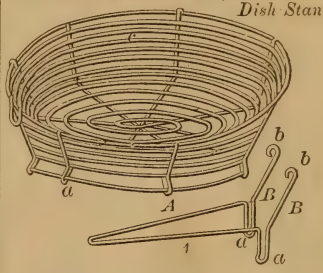




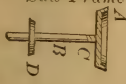
72769—E. Wright—*Let-off for Looms.*



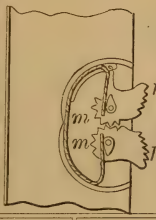
72770—Woods & Sherwood—*Wire Dish Stand.*

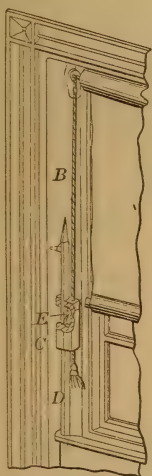


72766—F. Washburne—*Saw Frame Bolt.*



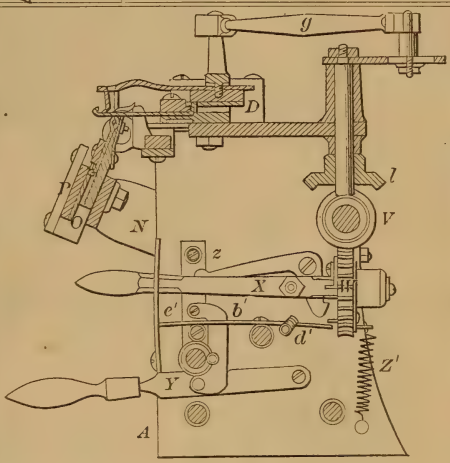
72765—F. N. Violet—*Window Sash Supporter.*



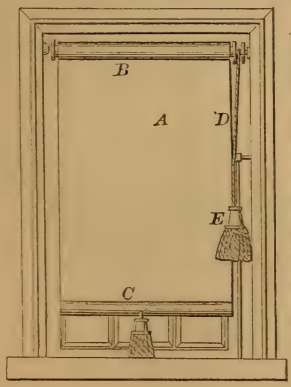


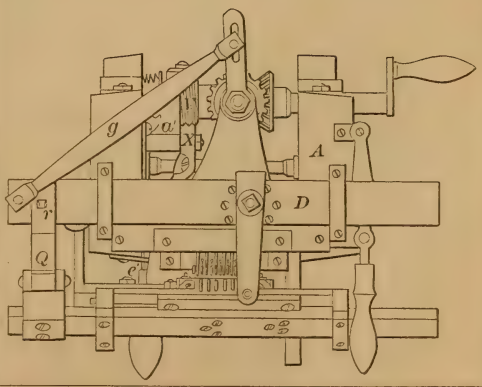
72767—Wocher & Geiger—*Curtain Fixture.*

72771—W. Aikin—*Knitting Machine.*

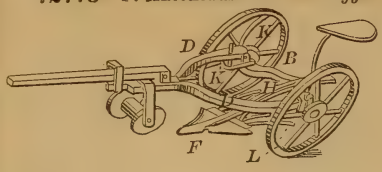


72768—Wocher & Geiger—*Curtain Fixture.*

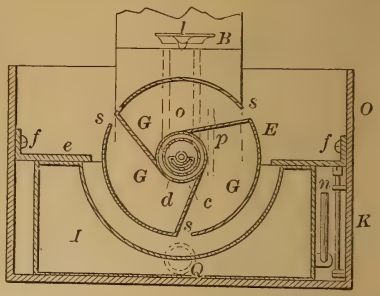




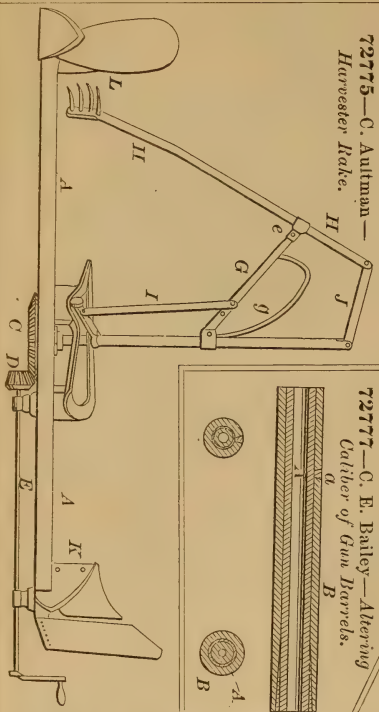
72773—P. Antonidus—*Potato Digger.*



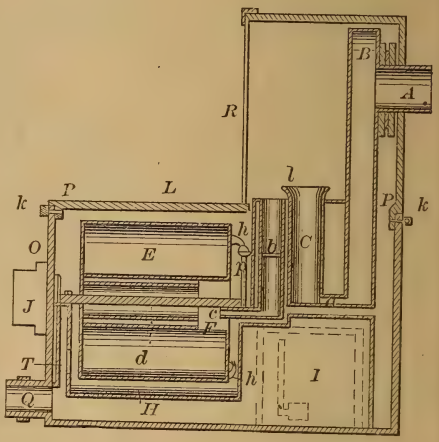
72774—M. Augenstein—*Spirit Meter.*



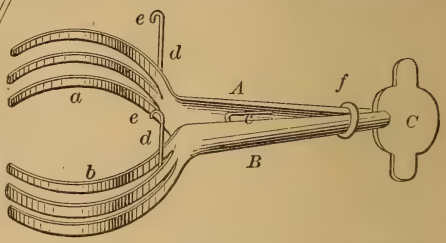
72775—C. Aultman—*Harvester Rake.*



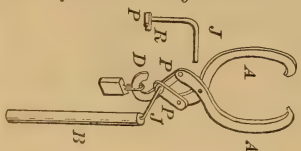
72777—C. E. Bailey—*Altering Caliber of Gun Barrels.*



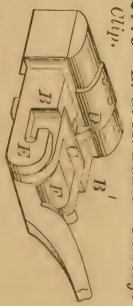
72776—B. H. Badger—*For Holding Glass.*



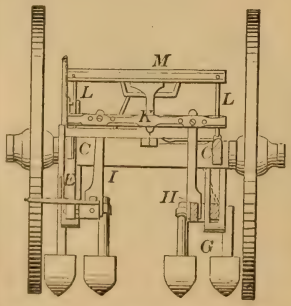
72778—D. B. Baker—*Clutch for Horse Hay Rakes.*

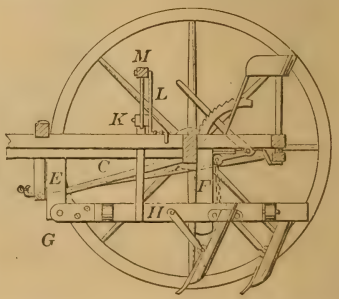


72779—L. G. M. Baker—*Carriage Clip.*

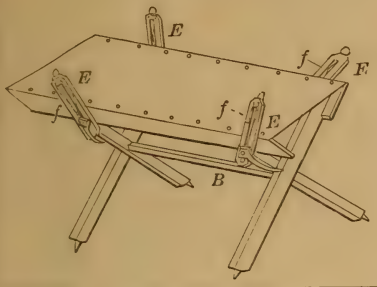


72780—J. T. Baltimore—*Cultivator.*

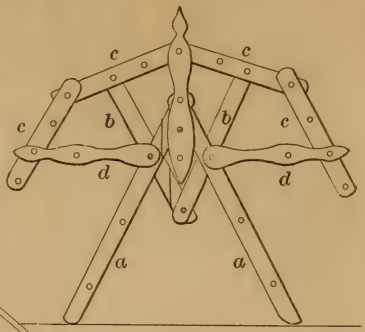




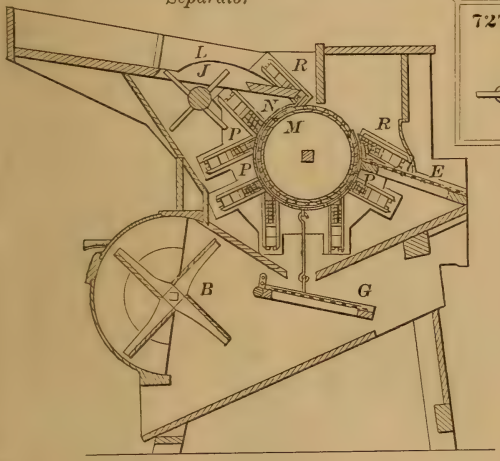
72781—H. Barr—*Sheep Shearing Table.*



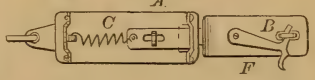
72782—C. B. Bennett—*Clothes Dryer.*



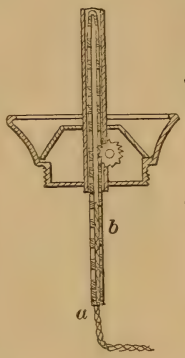
72783—J. Bernheisel, Sr.—*Corn Sheller and Separator*



72784—Bisbee & Hearn—*Hasp and Hook.*

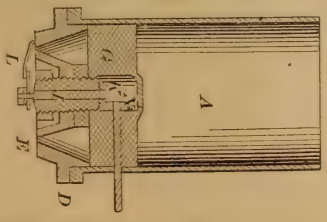


72785—E. A. Blatterlein—*For Drawing Wicks through Burners.*

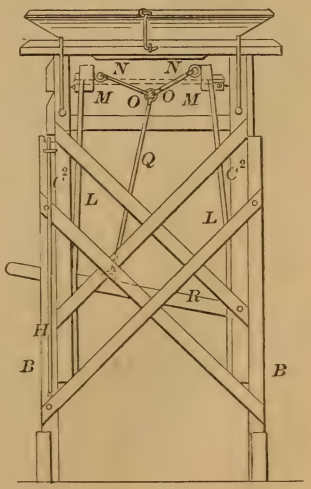


72786—Blakeslee & Smith—*Burglar Alarm.*

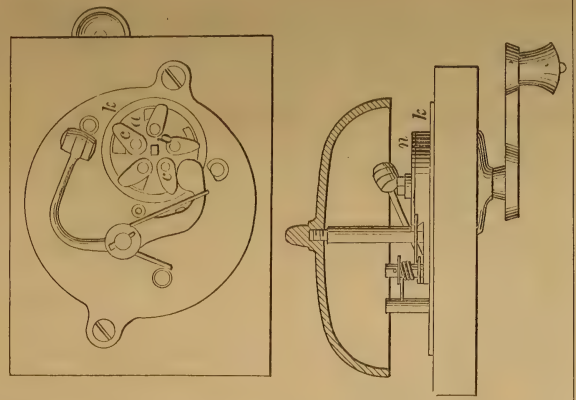
72787—J. Blank—*Sewer Pipe Machine.*



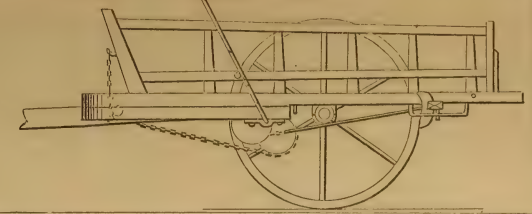
72788—C. D. Brainerd—*Bag Holder.*



72791—A. T. Brooks—*Door Bell.*

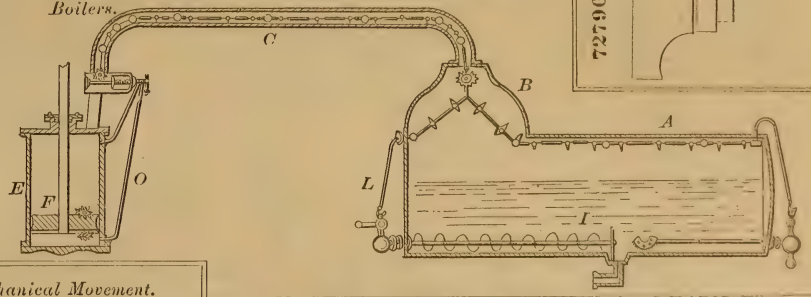


72795- J. W. Cahoon—*Cart.*



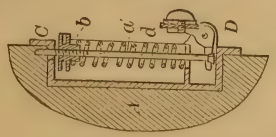
72796—J. H. Carkeet—*Axle and Journal Box.*

72794—S. G. Cabell—*Preventing Incrustation of Steam Boilers.*

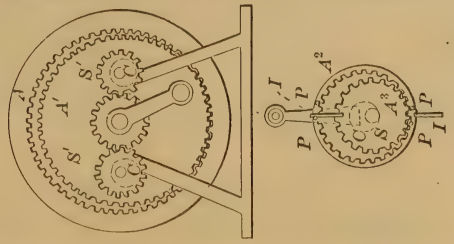


72790—G. B. Brayton—*Making Eyelets.*

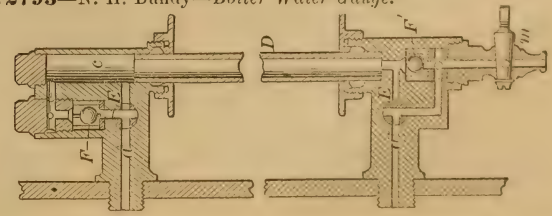
72789—A. F. H. Braun—*Truss.*



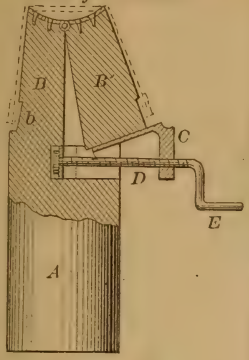
72792—A. W. Browne—*Mechanical Movement.*



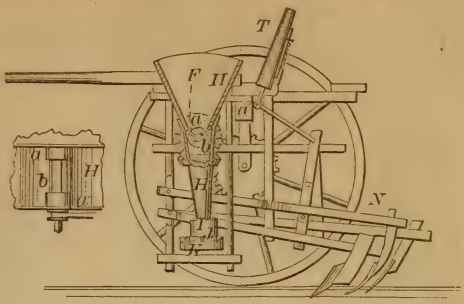
72793—N. H. Bundy—*Boiler Water Gauge.*



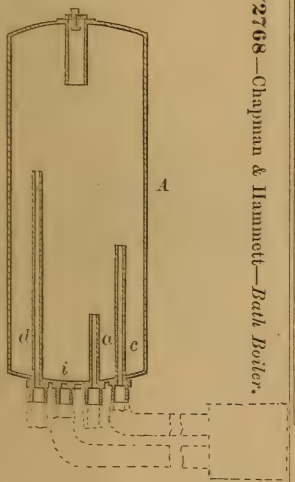
72797—H. Carpenter—*Form Block for Baskets.*



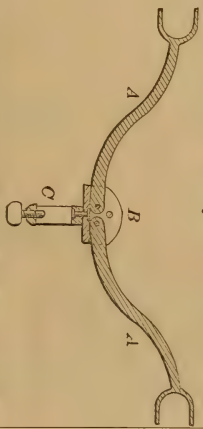
72799—C. Churchill—*Cultivator and Seeding Machine.*



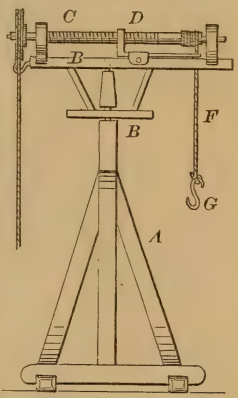
72768—Chapman & Hammett—*Bath Boiler.*



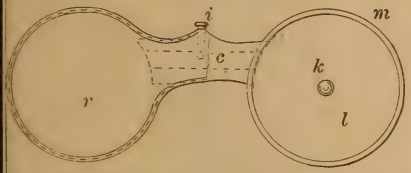
72800—E. M. Coffin—*Swifts.*



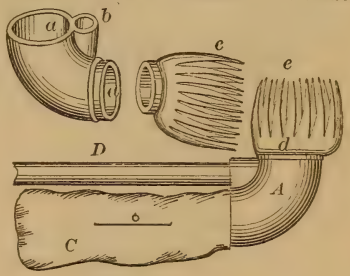
72801—J. S. Coffman—*Rotary Crane.*



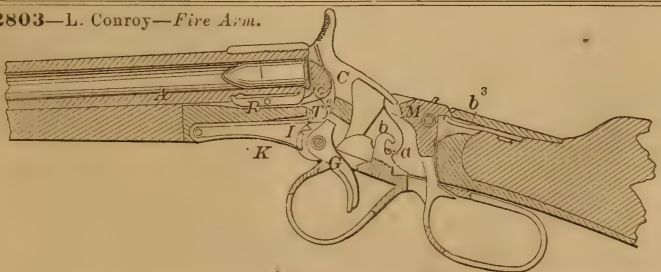
72802—R. Collins—*Breast Pad.*



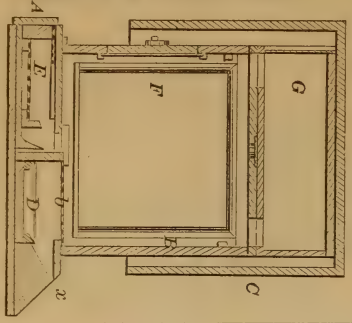
72804—P. & S. Conver—*Fruit Picker.*



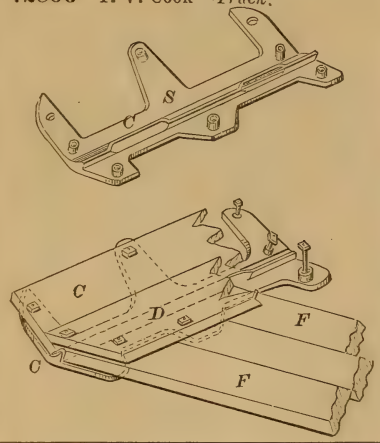
72803—L. Conroy—*Fire Arm.*



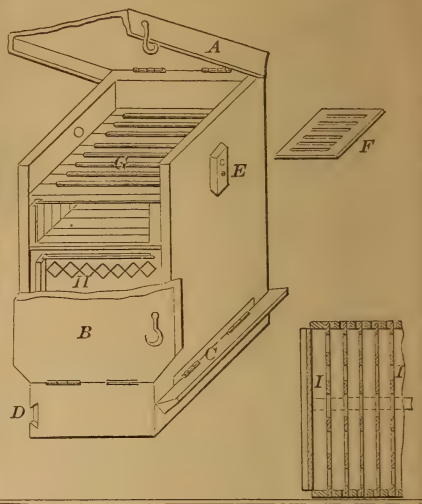
72805—G. E. Conwell—*Beehive.*



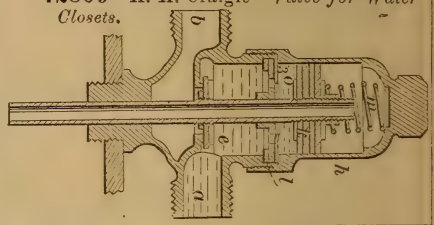
72806—T. V. Cook—*Truck.*



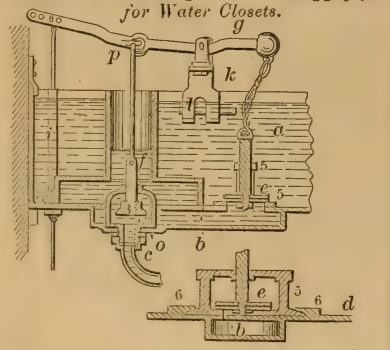
72808—W. Courtney—*Beehive.*

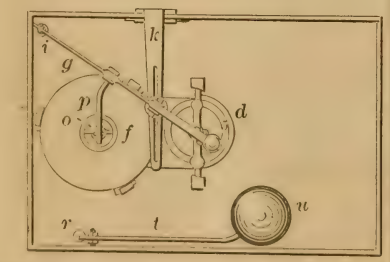


72809—H. H. Craigie—*Valve for Water Closets.*

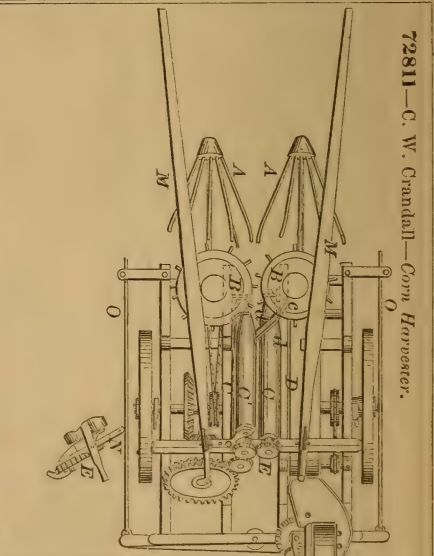


72810—H. H. Craigie—*Water Supply for for Water Closets.*

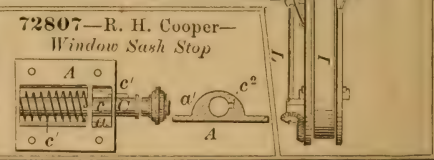




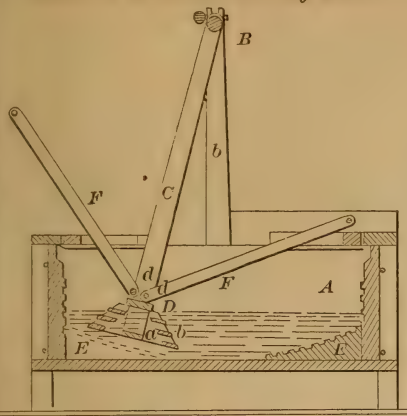
72811—C. W. Crandall—*Corn Harvester.*



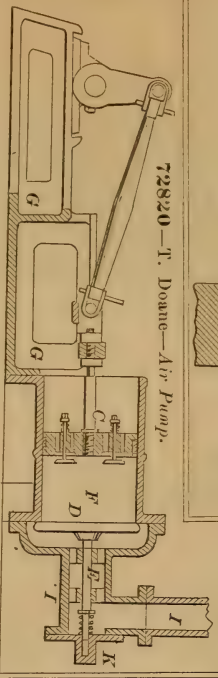
72807—R. H. Cooper—*Window Sash Stop*



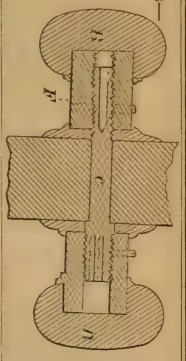
72819—E. W. Dixon—*Washing Machine.*



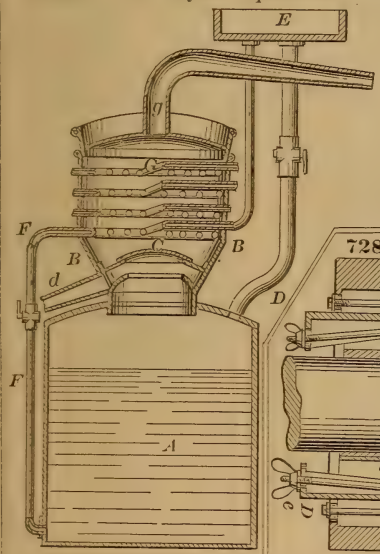
72820—T. Doane—*Air Pump.*



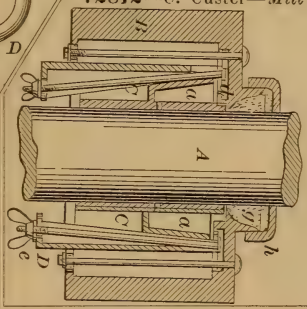
72815—A. Dawes—*Spindle Knob.*

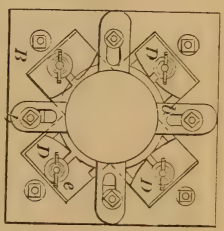


72816—H. G. Dayton—*Spirit Still.*

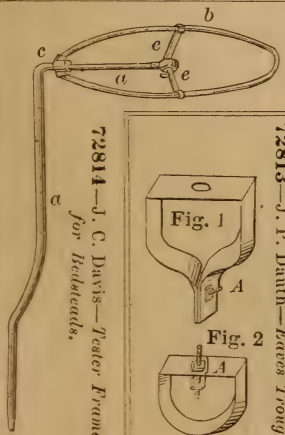


72812—C. Custer—*Mill Stone Bush.*





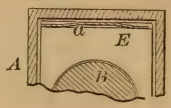
72814—J. C. Davis—*Tester Frame for Bedsteads.*

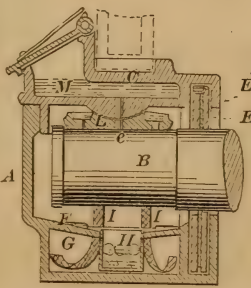


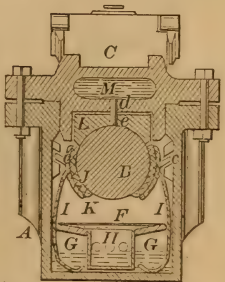
72813—J. P. Dauth—*Eaves Trough.*

Fig. 2

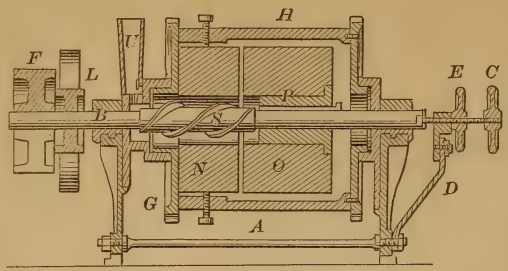
72821—L. A. Dochez—*Axle Box.*



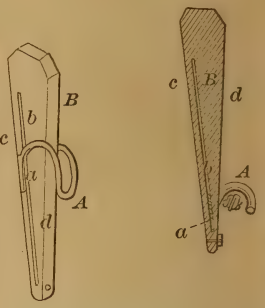




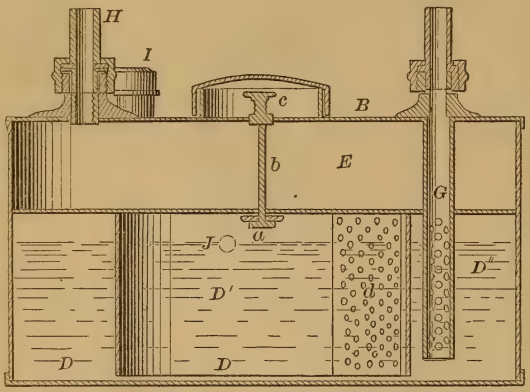
72822—L. Dodson—*Portable Mill.*



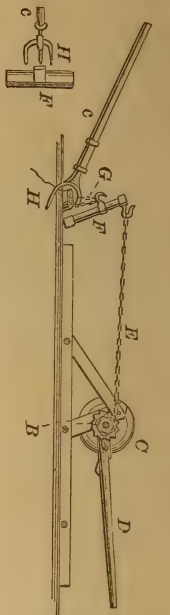
72823—W. M. Doty—*Clothes Pin.*



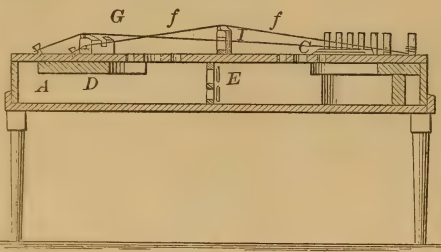
72825—Earseman & Gray—*For Carburetting Coal Gas.*



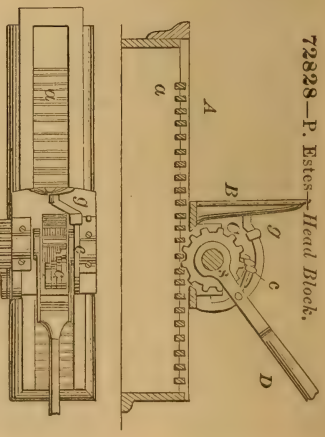
72826—J. Elliott—*Stump Extractor.*



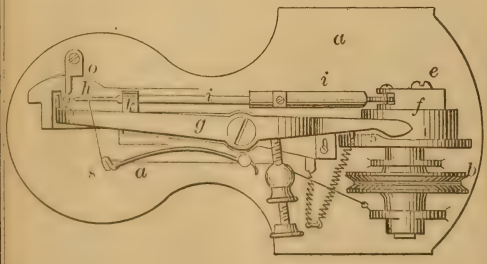
72824—E. Durand—*Dulcimer.*



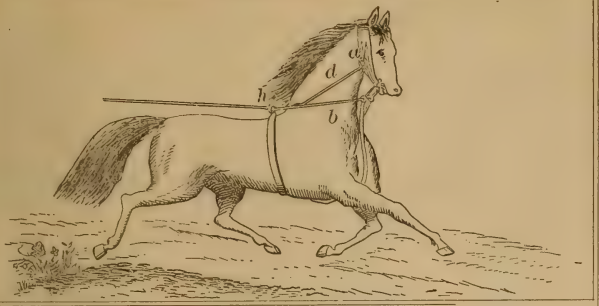
72828—P. Estes—*Head Block.*



72829—J. Fanning—*Sewing Machine.*

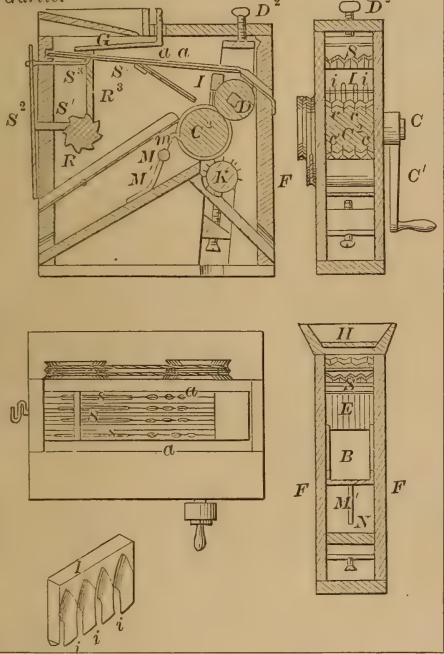


72831—E. R. Ferry—*Check and Driving Rein.*

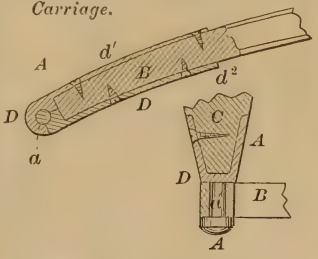


72832—C. Fillmore—*Trace Buckle.*

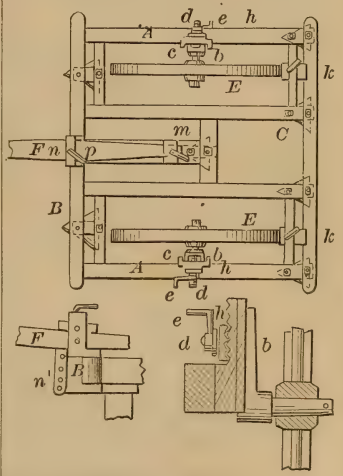
72834—S. Gantz—*For Separating Wheat from Garlic.*



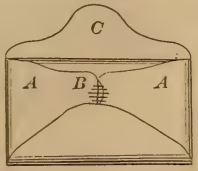
72833—A. D. Fowler—*Children's Carriage.*



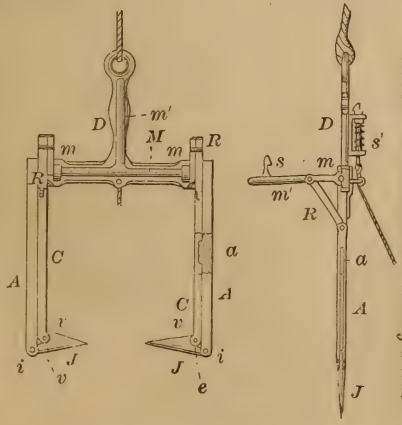
72835—R. Garter—*Cultivator.*



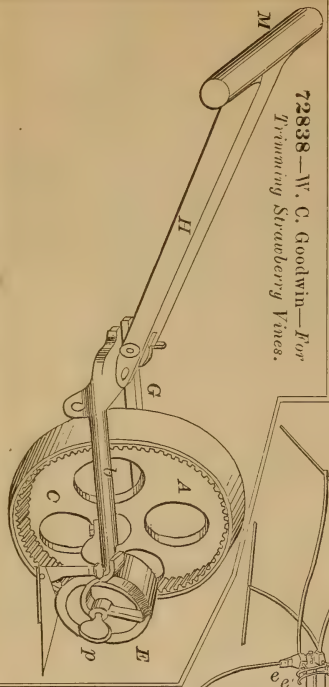
72836—J. C. Gaston—*Envelope.*



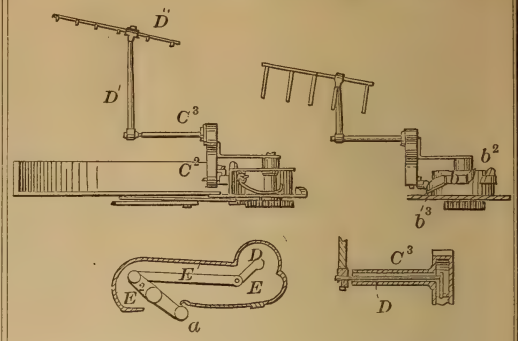
72837—J. Gilmore—*Horse Hay Fork.*



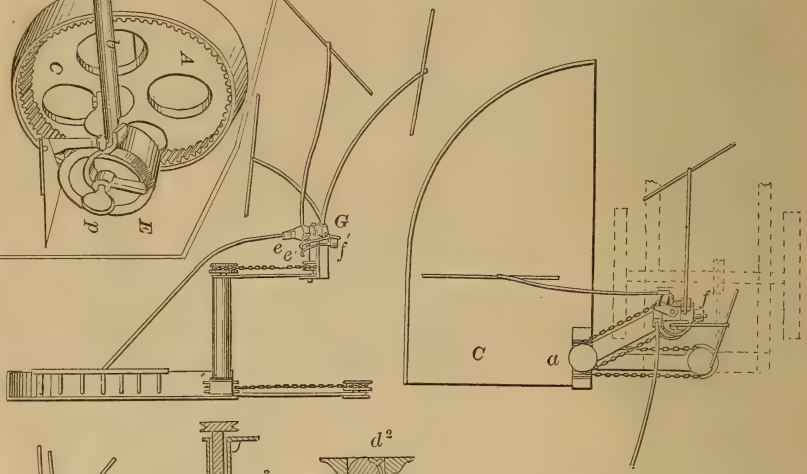
72838—W. C. Goodwin—*For Trimming Strawberry Vines.*

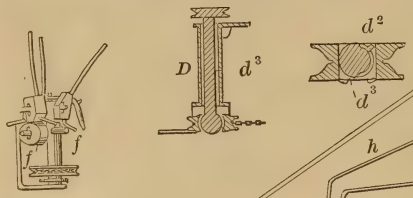


72840—W. F. Goodwin—*Harvester Rake.*

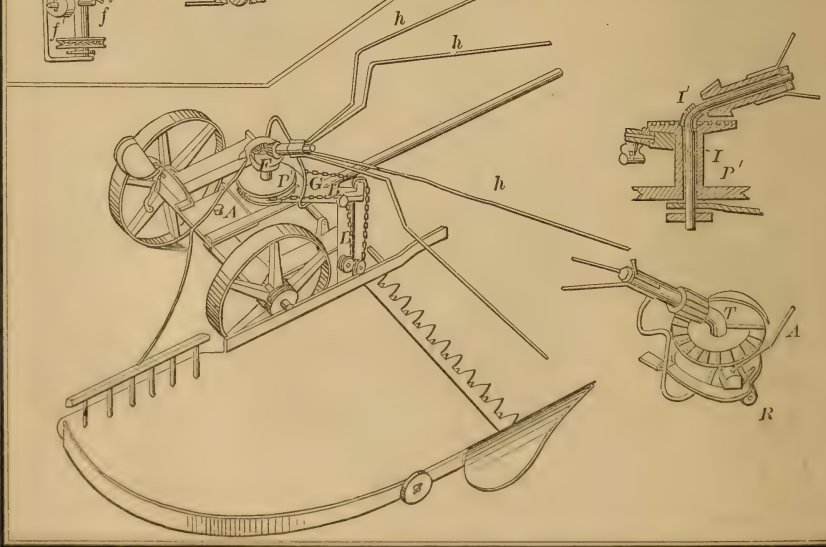


72839—W. F. Goodwin—*Harvester Rake.*

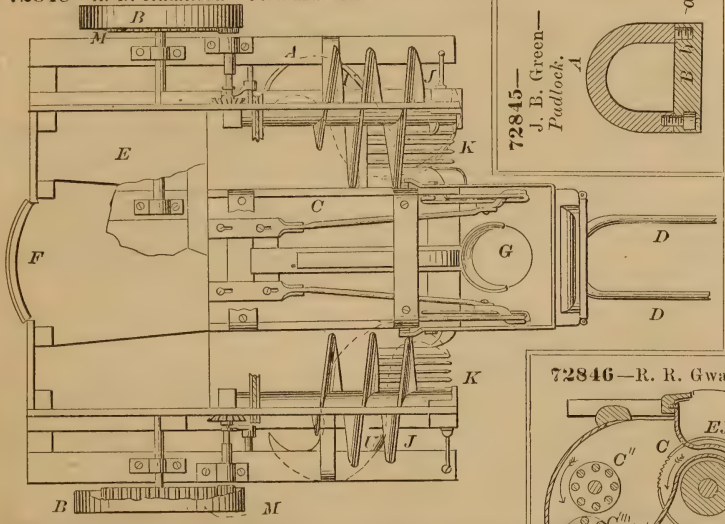




72841—W. F. Goodwin—*Harvester Rake.*

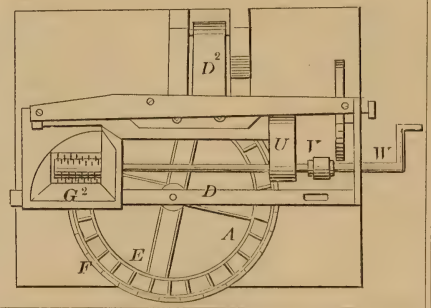


72848—L. B. Hamilton—*Corn Harvester.*



72845—J. B. Green—*Padlock.*

72847—E. Hall—*Peat and Brick Machine.*



72842—W. F. Goodwin—*Mechanical Movement.*

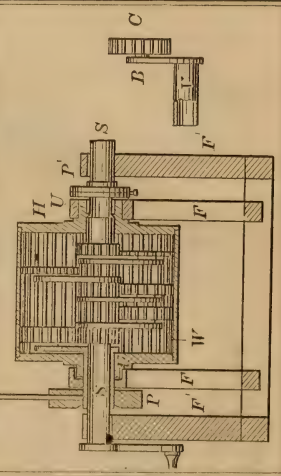
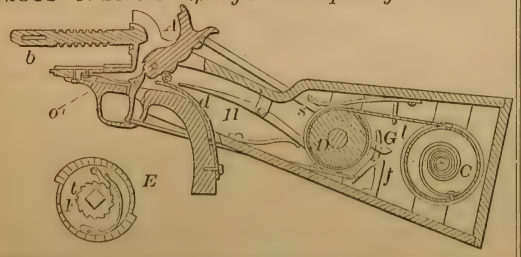


Fig. 3

72844—J. Gordon—*Spring Power Repeating Fire Arm.*



72846—R. R. Gwathmey—*Cotton Ginning Machine.*

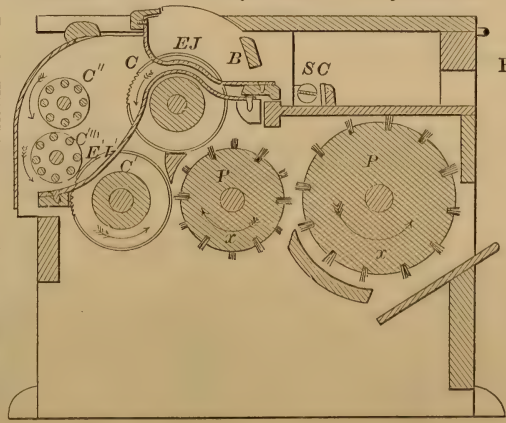
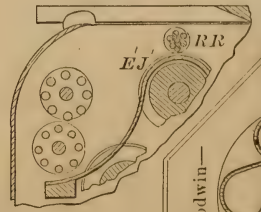
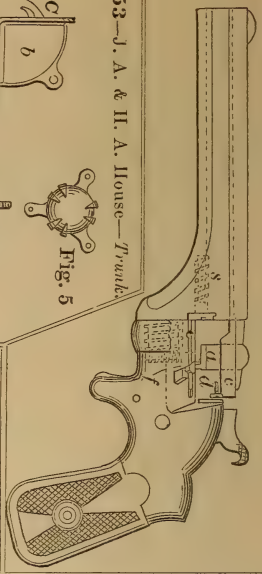


Fig. 1

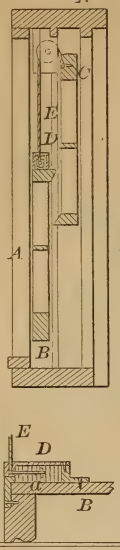


72843—W. F. Goodwin—*Retort.*

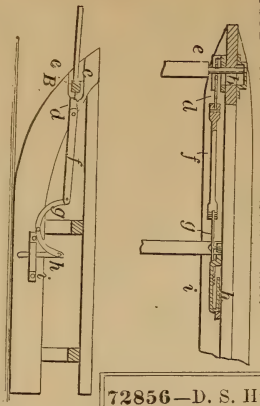
72849—H. Hammond—*Cartridge Ejector.*



72850—P. H. Hardy—*Sash Adjuster.*



72851—J. L. Heffron—*Sled Brake.*

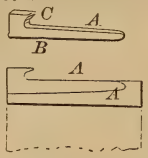


72853—J. A. & H. A. House—*Trunk.*

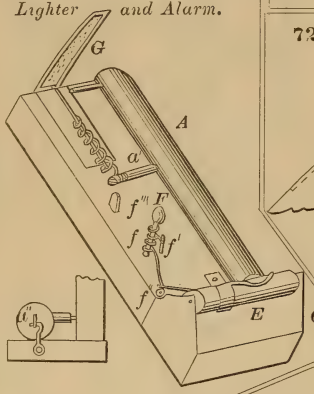
Fig. 4

Fig. 5

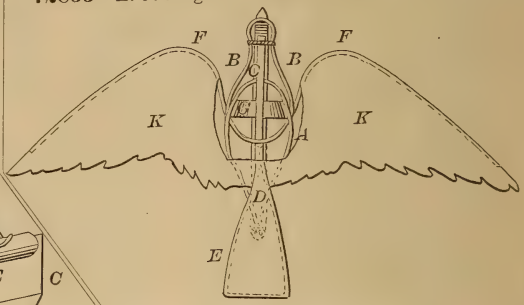
72856—D. S. Humphrey—*Fence and Trellis Hook.*



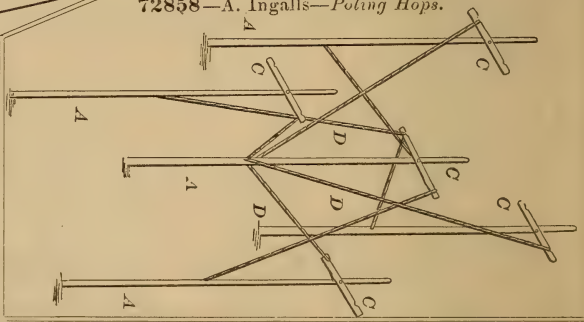
72854—T. N. Howell—*Lighter and Alarm.*



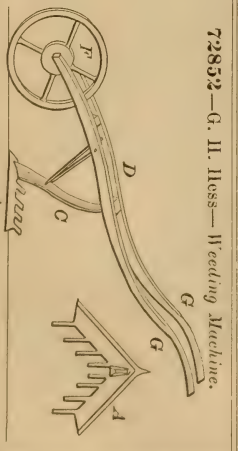
72855—E. J. Hughes—*Kite.*



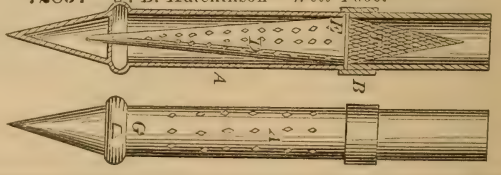
72858—A. Ingalls—*Poling Hops.*



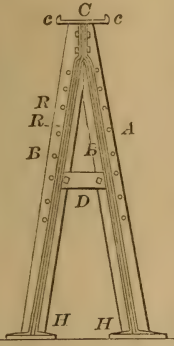
72852—G. H. Hess—*Weeding Machine.*



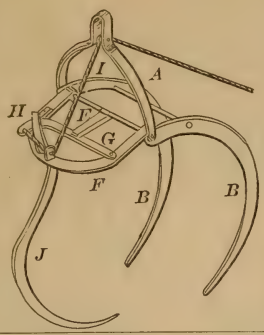
72857—W. B. Hutchinson—*Well Tube.*



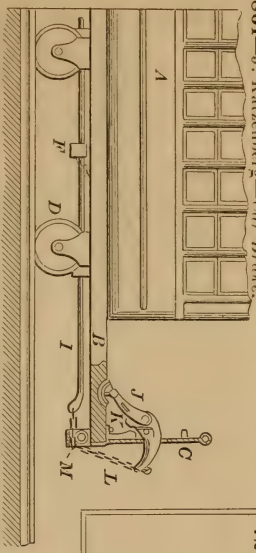
72859—A. B. Ives—*Metallic Column.*



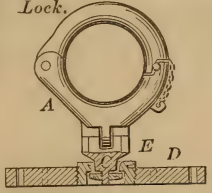
72860—R. V. Jones—*Horse Hay Fork.*



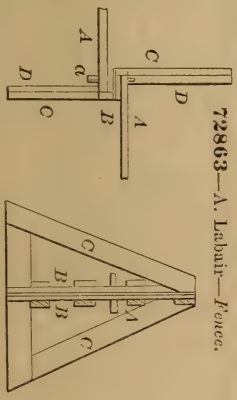
72861—J. Katzenberg—*Car Brake.*



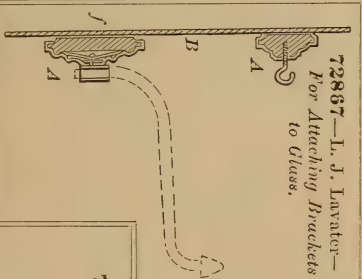
72865—M. A. Lanagan—*Lock.*



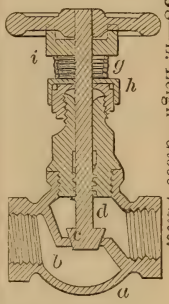
72863—A. Labuit—*Fence.*



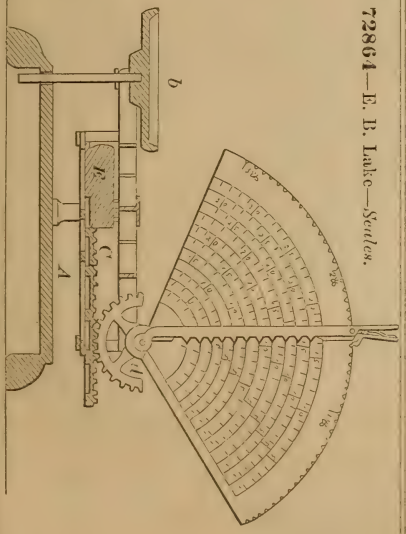
72867—L. J. Lavater—*For Attaching Brackets to Glass.*



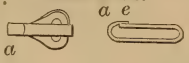
72868—L. Leigh—*Globe Valve.*



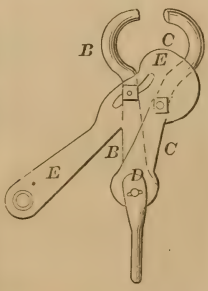
72864—E. B. Lake—*Scales.*



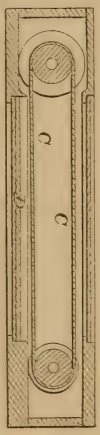
72862—M. A. Keilig—*Dress Hook.*



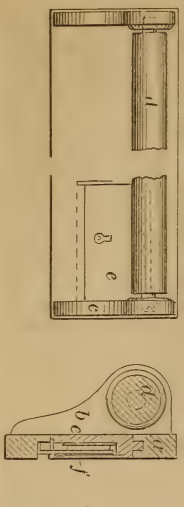
72866—M. A. Lanagan—*Boat Detaching Apparatus.*



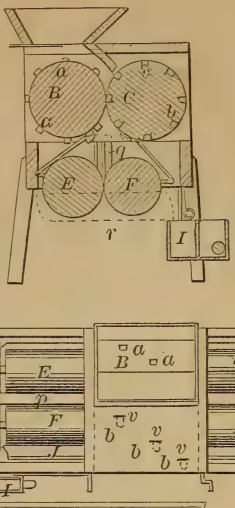
72869—C. Lovando—*Illuminated Sign.*



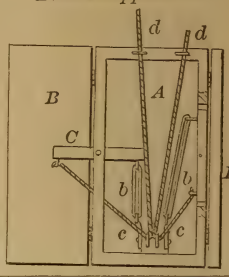
72870—W. H. Lewis—*Towel Roller.*

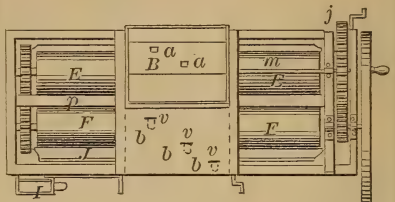


72872—W. Lucas—*For Making Cider.*

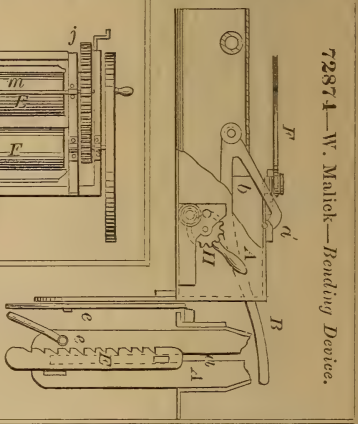


72871—N Long—*Table Leaves Support.*

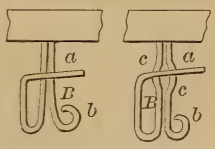




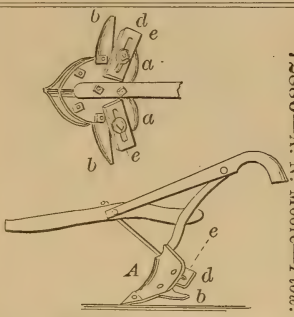
72874—W. Malick—*Bending Device.*



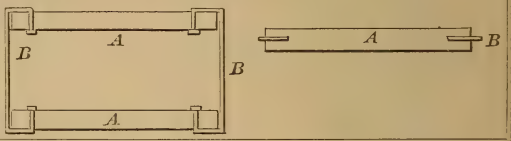
72875—J. A. Marshall—*Whip Rack*



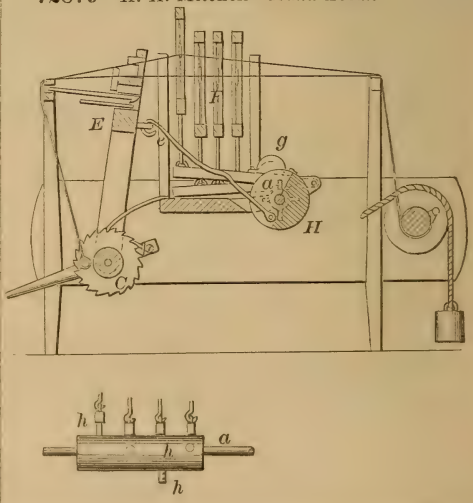
72880—A. N. Moore—*Plow.*



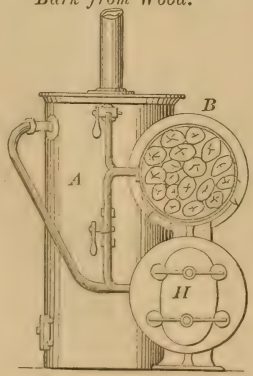
72876—C. B. Martin—*Shingle Band.*



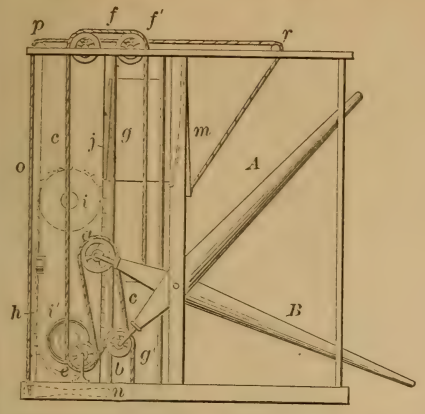
72879—H. H. Mitchell—*Hand Loom.*



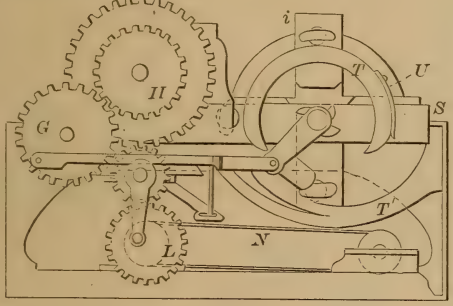
72873—J. Maitre—*Separating Bark from Wood.*

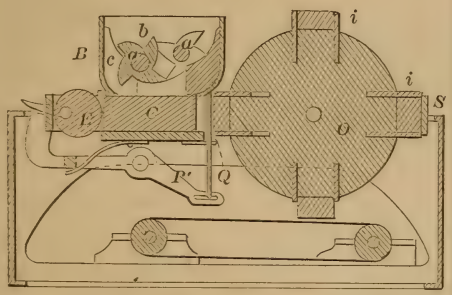


72881—D. Morrison—*Carriage Motor.*

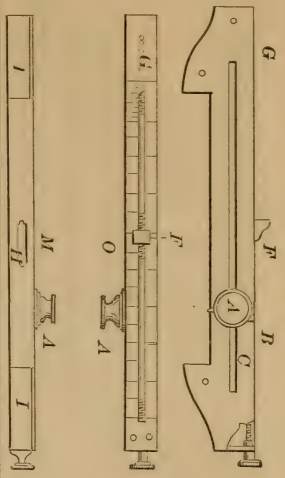


72883—M C. Motch—*Rotary Brick Machine.*

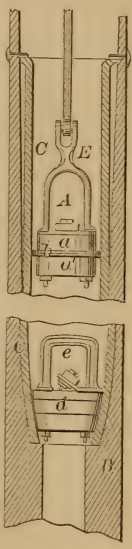




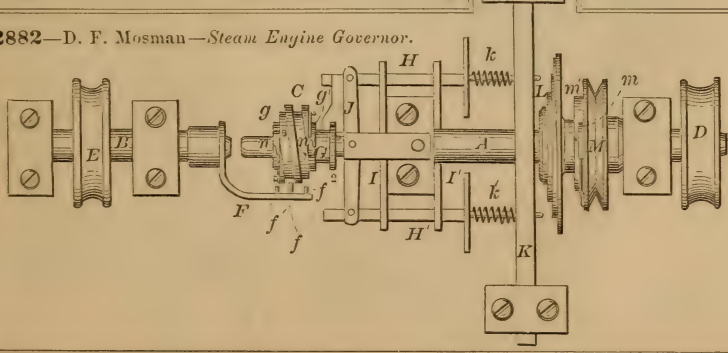
72885—J. Nester—*Scribe Hook for Weather Boarding.*



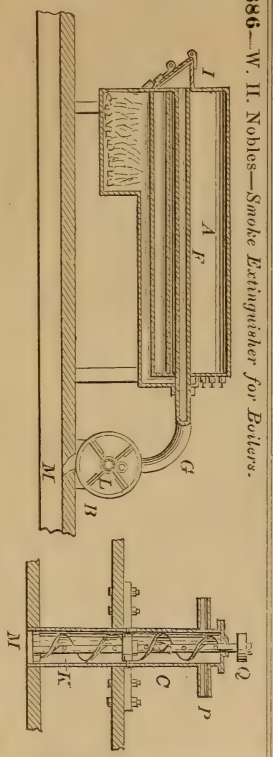
72884—B. H. Nayes—*Pump Piston.*



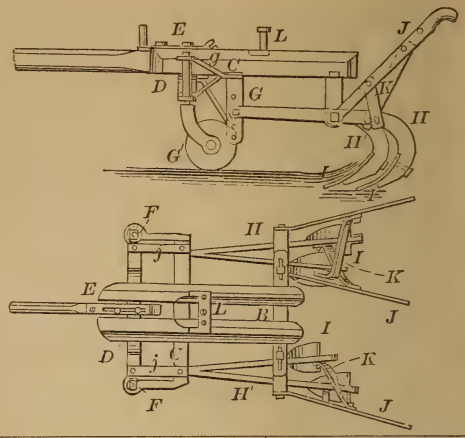
72882—D. F. Mosman—*Steam Engine Governor.*



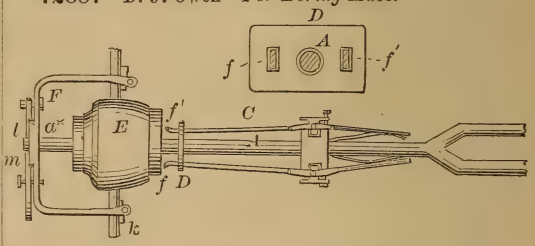
72886—W. H. Nobles—*Smoke Extinguisher for Boilers.*



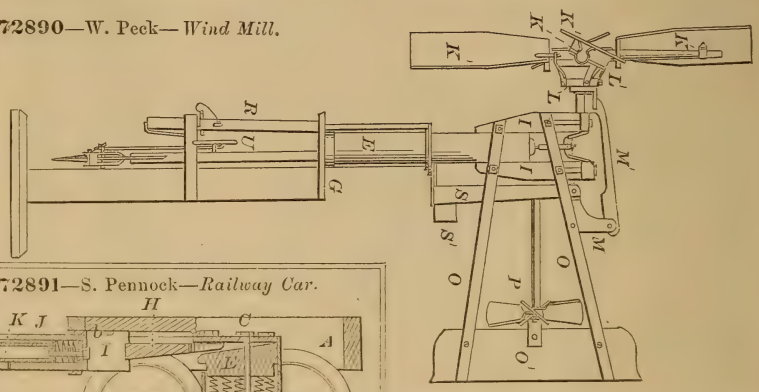
72889—S. J. Peabody—*Cultivator.*



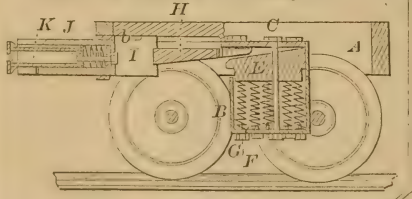
72887—D. J. Owen—*For Boring Hubs.*



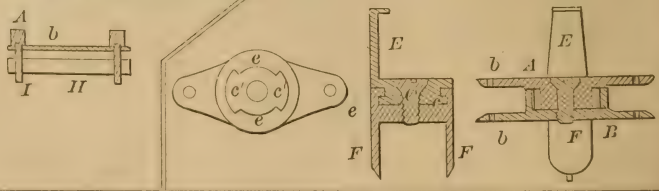
72890—W. Peck—*Wind Mill.*



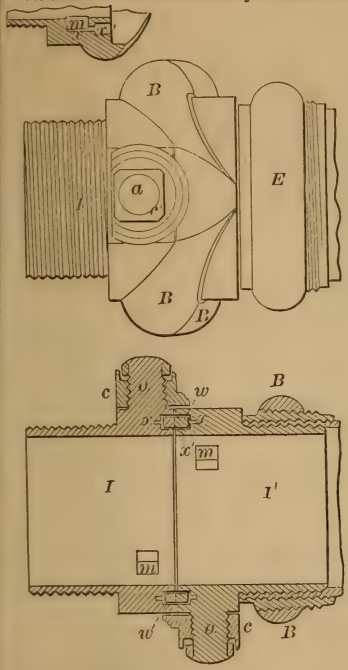
72891—S. Pennock—*Railway Car.*



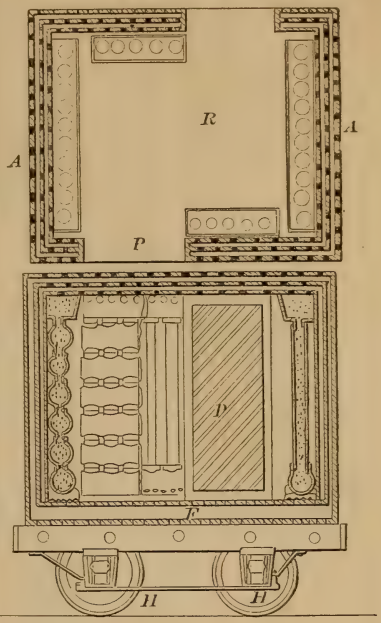
72888—M. J. Palmer—*Whiffletree Coupling.*



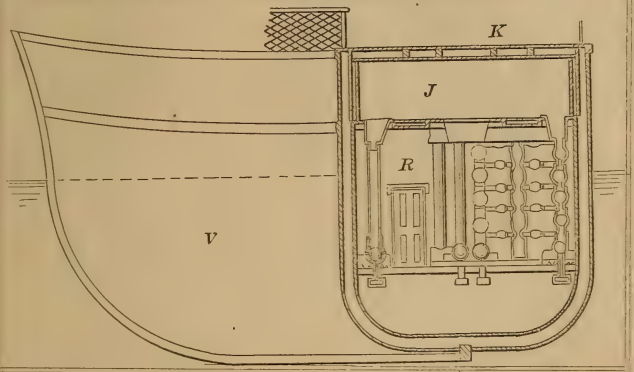
72892—Perkins & Hovey—*Hose Coupling.*



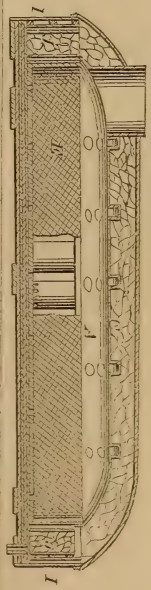
72895—C. F. Pike—*Railroad Car for Preserving and Transporting Meats, &c.*



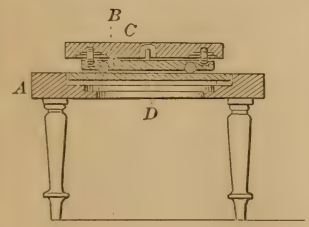
72894—C. F. Pike—*Preserving Perishable Articles.*



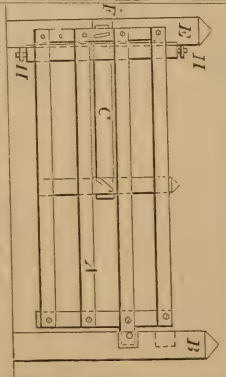
72893—C. F. Pike—*Corpse Preserver.*



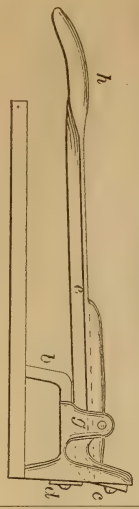
72896—M. Pirz—*Dining Table.*



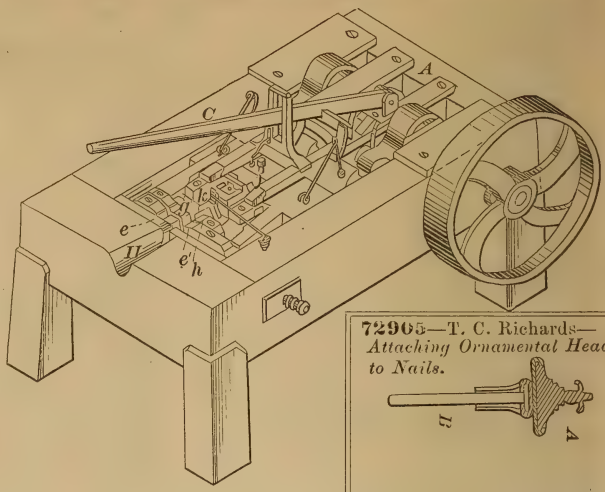
72897—C. H. Platt—*Gate.*



72898—E. L. Pratt—*Tobacco Cutter.*

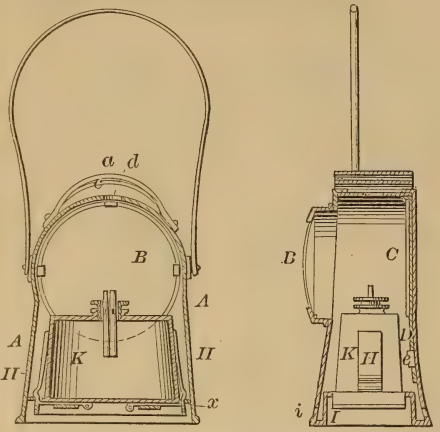


72899—F. B. Prindle—*For Heading Bolts.*



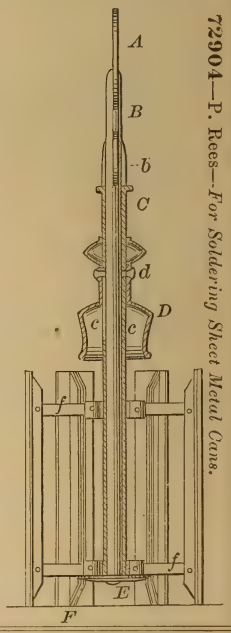
72905—T. C. Richards—*Attaching Ornamental Heads to Nails.*

72900—Prindle & Wellfare—*Lantern.*

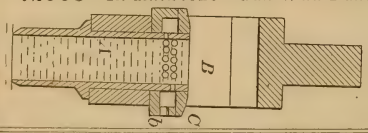


72902—E. D. Pritchard—*Railroad Rail.*

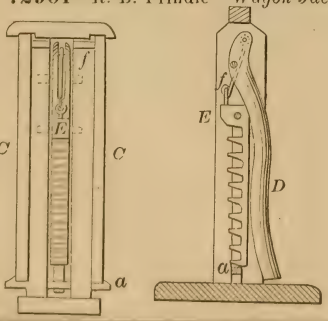
72904—P. Rees—*For Soldering Sheet Metal Cans.*



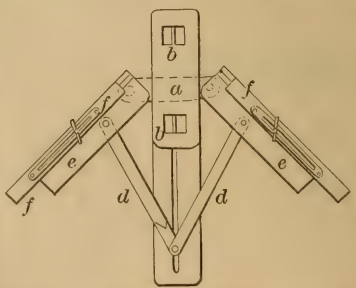
72903—R. Rathbone—*Gun Wad Punch.*



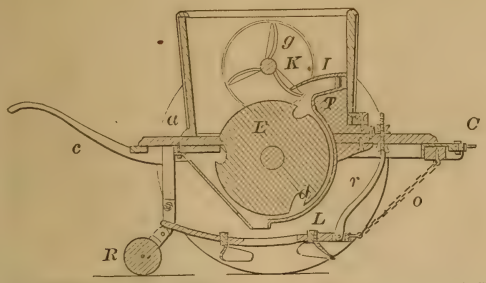
72901—R. B. Prindle—*Wagon Jack.*



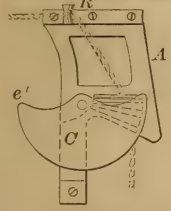
72906—J. W. Richardson—*Mitre Box.*



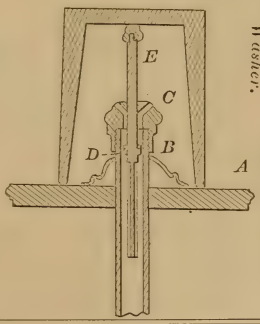
72907—O. Richardson—*Cotton Seed Planter.*



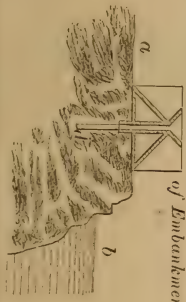
72908—P. Riordan—*Clothes Line Holder.*



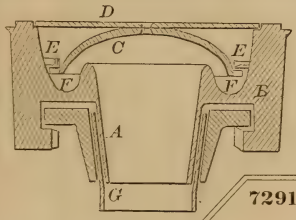
72911—E. W. Russell—*Tumbler Washer.*



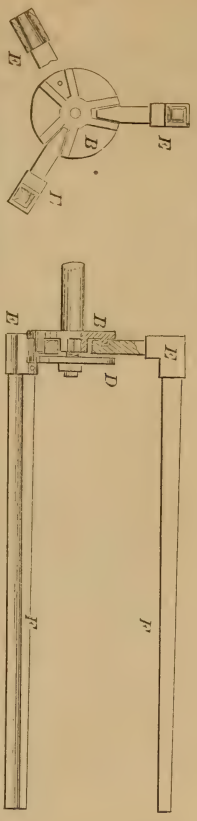
72913—J. C. Schooley—*Construction of Embankments.*



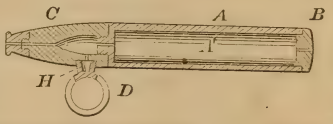
72909—J. S. Rogers—*Sink Trap.*



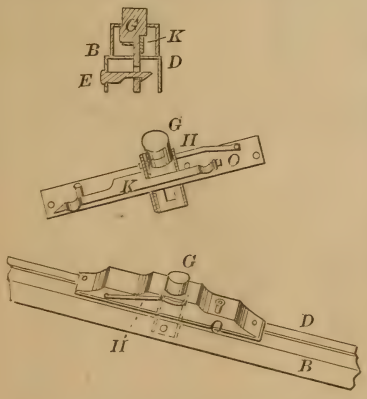
72910—W. F. Rundell—*Harvester Reel.*



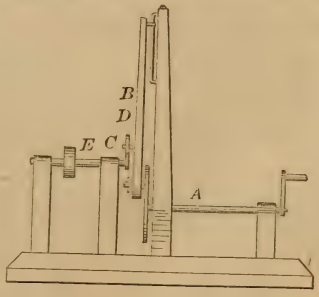
72912—E. Schlichting—*Cigar Pipe.*



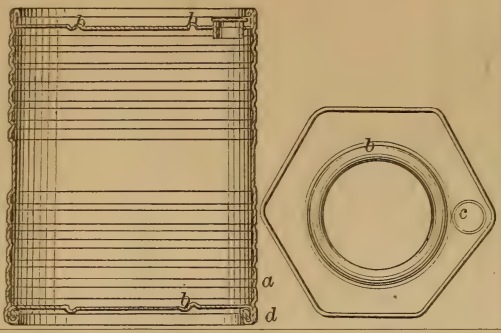
72914—C. H. Schubcus—*Lock for Traveling Bags.*



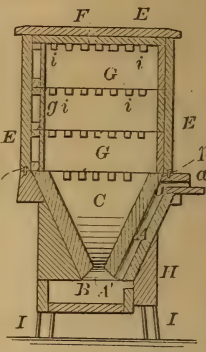
72915—J. M. Scott—*Mechanical Movement.*



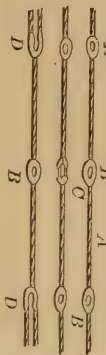
72916—O. Scott—*Gunpowder Canister.*



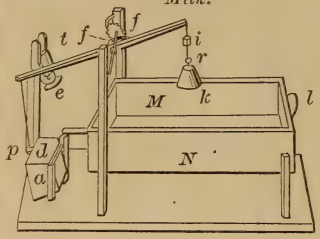
72918—L. & A. M. Shaeffer—*Beehive.*



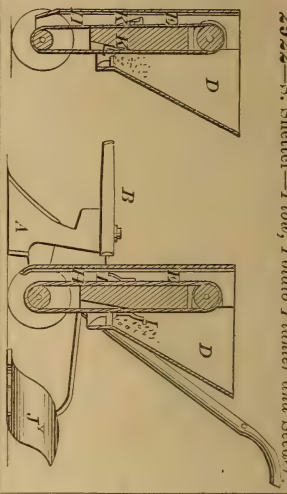
72917—J. Sennett—*Heddle for Looms.*



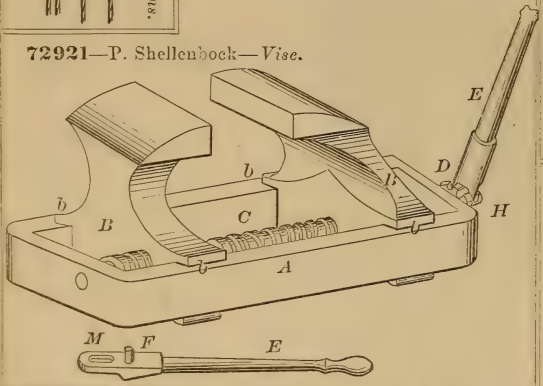
72920—C. L. Sheldon—*For Cooling Milk.*



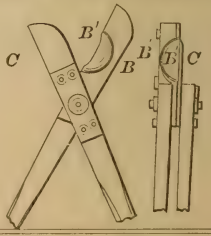
72922—S. Shetter—*Plow, Potato Planter and Seeder.*



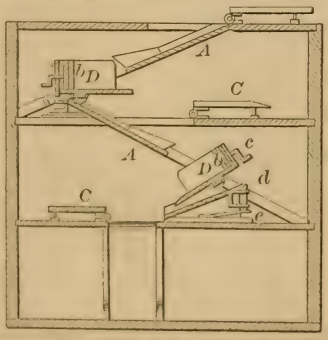
72921—P. Shellenbock—*Vise.*



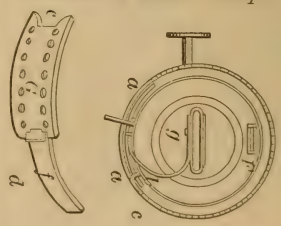
72923—J. Sill—*Pruning Shears.*



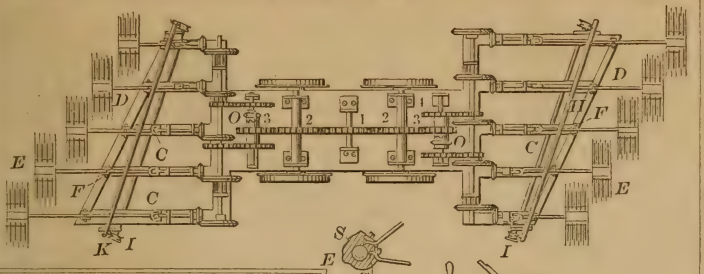
72924—J. D. Sinclair—*For Delivering Goods.*



72925—G. Smith—*Lamp Burner.*



72928—W. W. Smith—*Snow Sweeper.*



72929—Somers & Alwood—*Button.*

Fig. 3

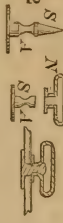
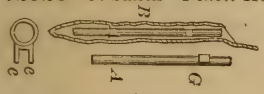
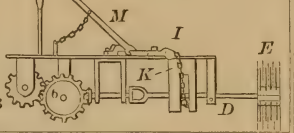


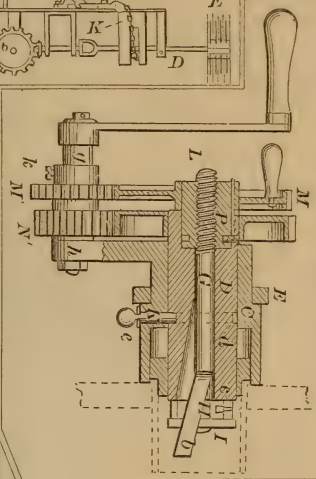
Fig. 2

72926—J. Smith—*Pencil Holder.*

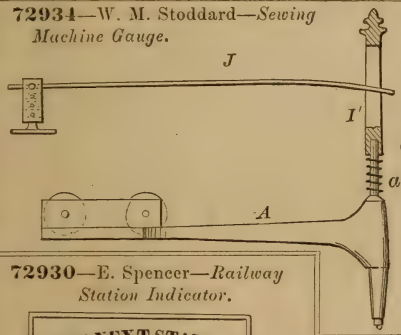




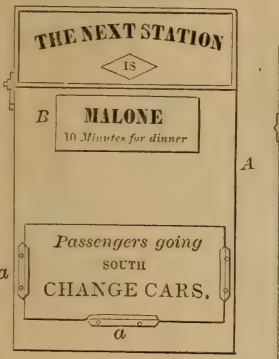
72927—W. B. Smith—*Boiler Tube Cutter.*

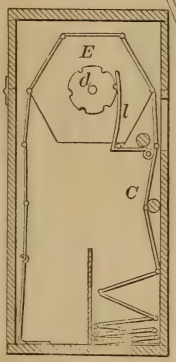


72934—W. M. Stoddard—*Sewing Machine Gauge.*

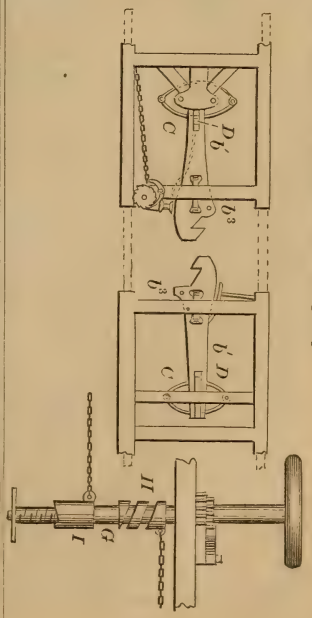


72930—E. Spencer—*Railway Station Indicator.*

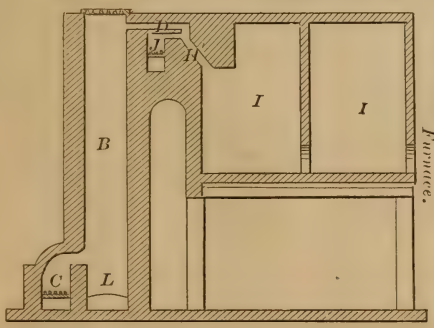




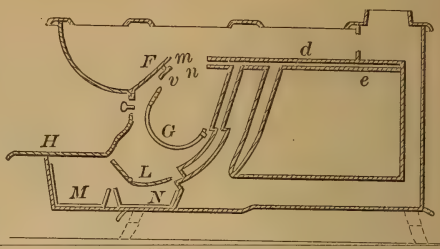
72933—J. T. Stoakes—*Car Coupling.*



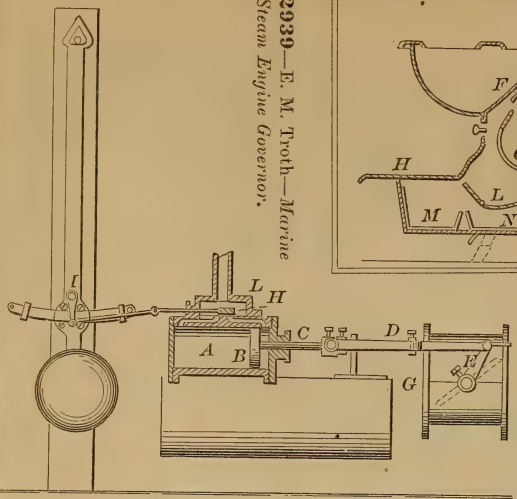
72931—C. Steketeldt—*Ore Roasting Furnace.*



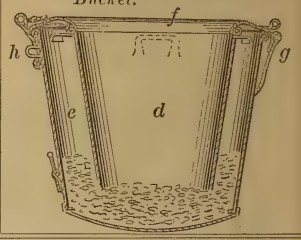
72938—W. B. Treadwell—*Cooking Stove.*



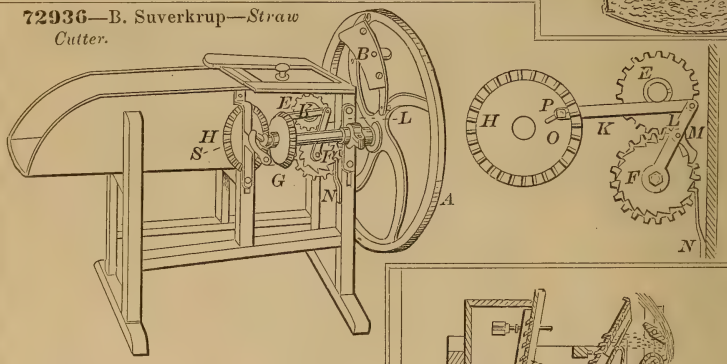
72939—E. M. Troth—*Marine Steam Engine Governor.*



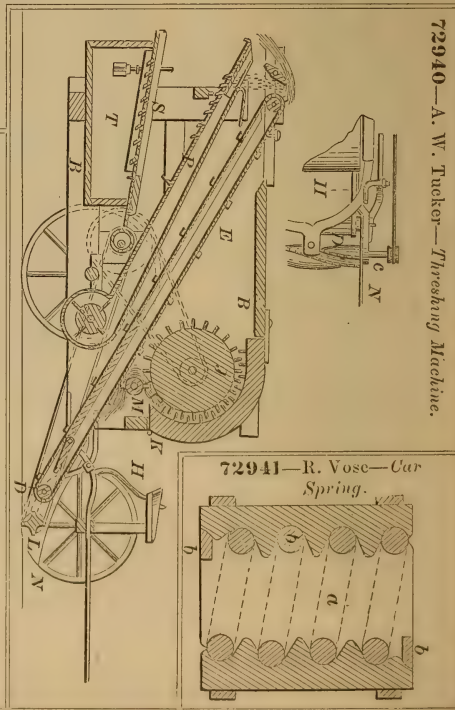
72935—R. C. Sturges—*Feed Bucket.*



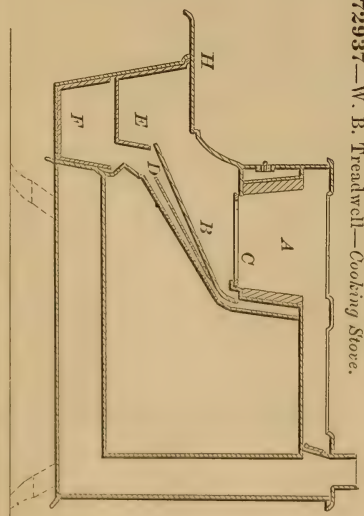
72936—B. Suverkrup—*Straw Cutter.*



72940—A. W. Tucker—*Threshing Machine.*

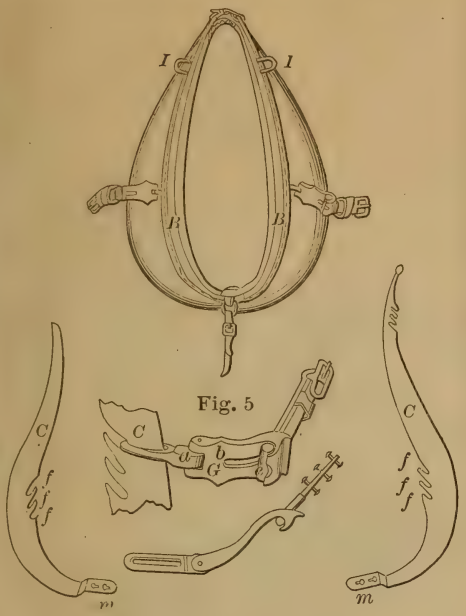


72937—W. B. Treadwell—*Cooking Stove.*

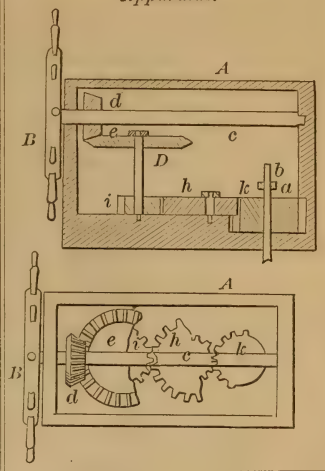


72941—R. Vose—*Car Spring.*

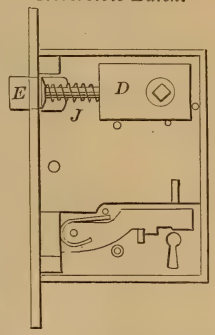
72947—Wegmann & Diessel—*Horse Collar.*



72945—J. H. Weaver—*Steering Apparatus.*

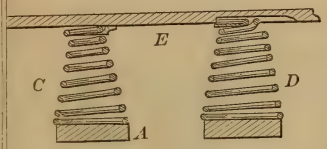


72946—R. L. Webb—*Reversible Latch.*

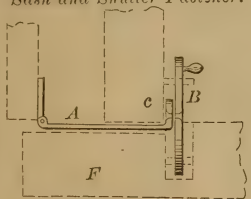


72944—Z. Walsh—*Traveling Bag.*

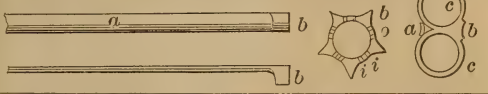
72943—A. Walker—*Spring Bed.*



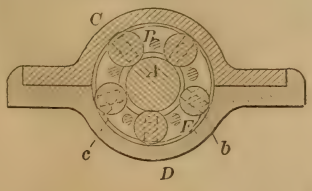
72948—Wemple & Richardson—*Sash and Shutter Fastener.*



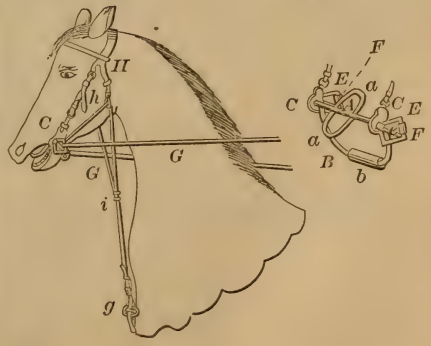
72949—Wesson & Blaze—*Manufacturing Ribs and Bolsters for Double Barrel Guns.*



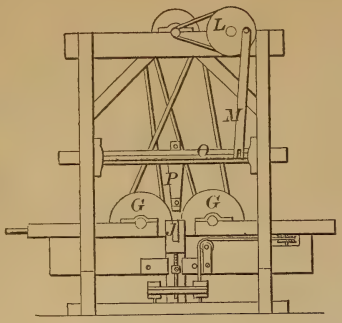
72942—E. Wadhams—*Roller Journal Box.*



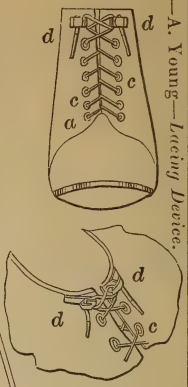
72950—R. P. Whelan—*Bridle Bit.*



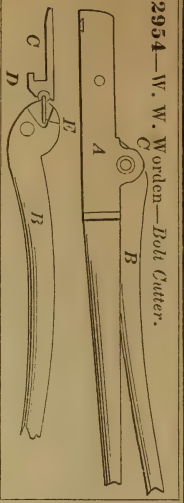
72951—J. A. Whelpley—*For Polishing Metal.*



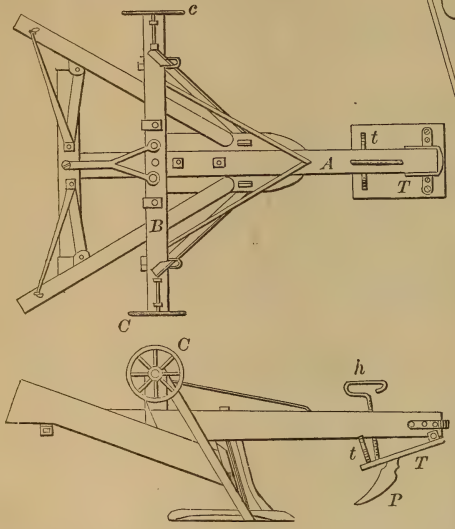
72955—A. Young—*Lacing Device.*



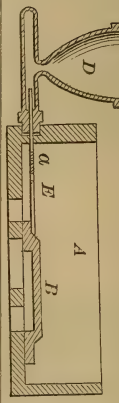
72954—W. W. Worden—*Bolt Cutter.*



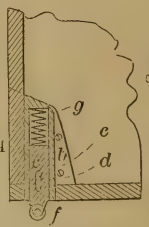
72953—D. Whisler—*Ditching Machine.*



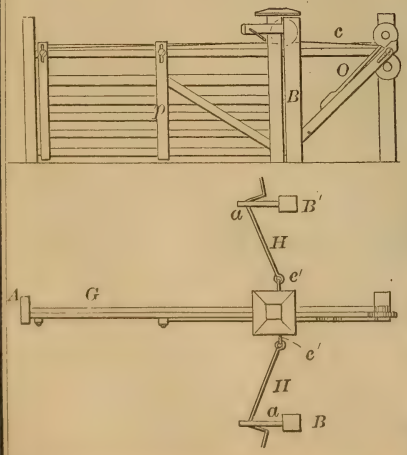
72952—Whipple & Bonzano—*Lubricator.*



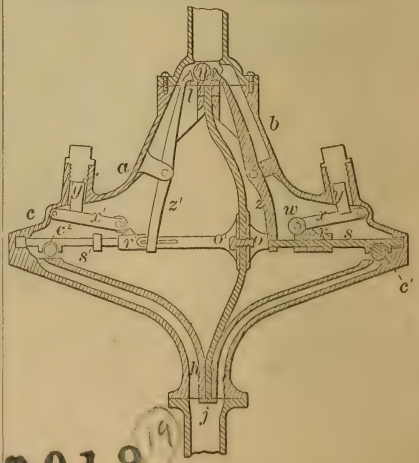
72956—W. H. & L. Young—*Trunk Caster.*



72957—I. N. Young—*Gate.*



72958—W. Baldwin—*Water Meter.*



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